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Ann Merriman

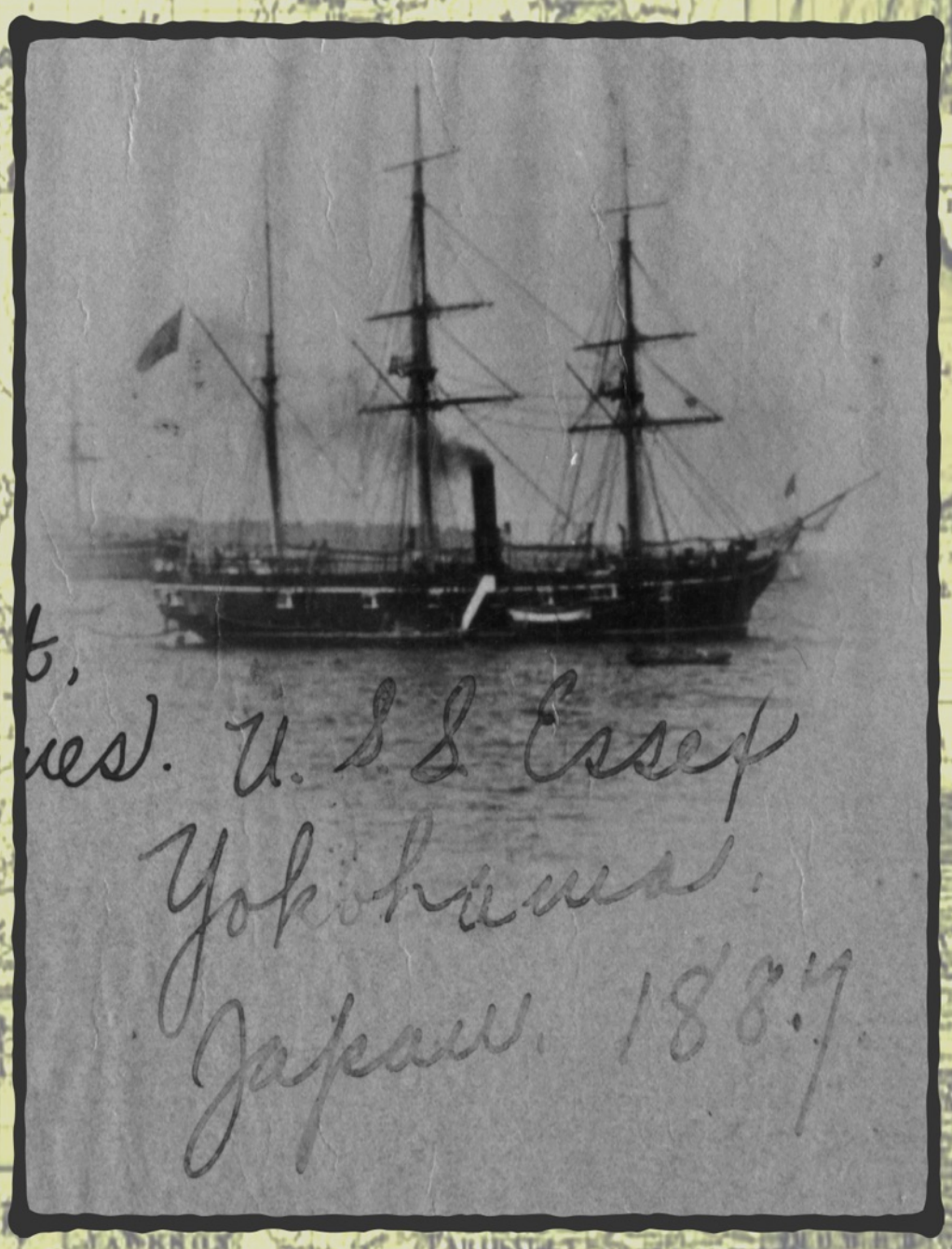
Christopher Olson

CLEAN WATER LAND & LEGACY AMENDMENT

Log Book 23 of the USS Essex

July 1, 1887 - December 31, 1887

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship



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Maritime Heritage Minnesota

USS *Essex* Log Book 23

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS *Essex* log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant

program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

Log Book 23 of the USS *Essex*: July 1, 1887-December 31, 1887

The National Archives houses USS *Essex* Log Book 23. Throughout Log Book 23, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- crew conducting ship maintenance: engine maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, caulking the decks, tarring down rigging, repairing stays, repairing yards and booms, repairing sails, replacing sails, scraping and slushing spars, steam cutter maintenance/repair, launch maintenance/repair, turned and cleaned hammocks and bedding, repairing binnacles, repairing waste pipes of magazine and shell room, repairing boat rail, repaired skylights, repaired awning stanchions, repairing air ports, repairing gun ports, repairing water closets
- crew conducting drills: target practice with the main battery (great guns), on shore target practice, general quarters drills, small arms drills, torpedo drills, landing party drills, signaling with the flagship, Army and Navy signaling drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)

- crew promotions
- crew quarters inspection
- liberty parties sent ashore
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Book 23, in early 1887, USS *Essex* was anchored in Yokahama Harbor, Japan, under Commander Theodore Frelinghuysen Jewell. USS *Essex* was assigned to the US Asiatic Squadron. On July 1, 1887, two Asian crewmen on board *Essex* were discharged from the US Navy. The next day, Occidental and Oriental Steamship Company steamer *Oceanic* left for San Francisco. On July 4, the crew dressed *Essex* in honor of Independence Day and the fleet of foreign ships dress with the American flag at foremasts in recognition. The ships fired 21-gun salutes in the evening. Over the next week, an American mail steamer anchored in the harbor and *Essex* exchanged signals with US Flagship *Brooklyn*. *Essex* officers exchanged visits and courtesies with Russian corvette *Rynda*, sloop HMS *Satellite*, Canadian Pacific Steamship Company steamer *Abyssinia*, and the Russian corvette *Vitiaz*. The Russian flagship fired 13-gun salute with the Japanese flag at the fore and it was returned by the Japanese flagship. *Essex* received grate bars for the steam cutter and the US Marshall based in Yokohama returned an AWOL crewman and accepted a reward.

On July 11, *Essex* left Yokohama and headed to the southwest and into Osaka Bay and by the next day, through Akashi Strait in the Inland Sea. For three more days *Essex* headed through the Inland Sea, Shimonoseki Strait, and into Nagasaki Harbor on July 15. Upon anchoring, *Essex* exchanged signals with sloop USS *Marion*. In the next two days, courtesies were exchanged with the US Consul, a Japanese warship, and sloop USS *Omaha*. An *Essex* crewman, left ashore at the Naval Hospital in early May due to small pox, returned to duty onboard. Also, two of *Essex's* ship's logs were transferred to USS *Marion* for transport to the Navy Department in Washington, DC. On July 17, the Engineering Department started fires in the ship's boilers #1 and #3; fires in boiler #3 were hauled due to a leak in the handhole plate. The next day, *Essex* left Nagasaki and exchanged signals with USS *Omaha* along the way. On July 20, *Essex* took soundings as she approached and anchored in Prince Imperial Archipelago, Corea (Korea). The next day, anchored in Chemulpo Harbor (Incheon) near the mouth of the Salee River.

Essex exchanged courtesies with Japanese corvette *Seiki*, Russian gunboat *Sivuch*, and a Chinese gunboat anchored in the harbor, and with the Japanese Consul. Toward the end of July, Commander Jewell took six days leave, *Essex* crewmen aired their bedding, and provisions were taken onboard the ship. Work crews also rigged in the flying boom for repairs, men painted the berth deck, tarred down the rigging, overhauled the gun carrying trucks, and exercised with rifles.

For the first nine days of August 1887, the *Essex* crew continued with general ship cleaning and maintenance, including the Carpenter's Gang at work on the binnacles and the hammocks were sent ashore for scrubbing. While conducting these chores, a hammock hood and the main mast head cover were lost overboard; the sailmaker's mate was tasked to make a new head cover. Visits and courtesies were exchanged with the US Minister to Corea, Russian gunboat *Sivuch*, a Chinese gunboat and the Japanese Consul. *Sivuch* also honored *Essex* with a 13-gun salute. On August 9, *Essex* left Chemuplo Harbor and anchored in Prince Imperial Archipelago in the Yellow Sea. While anchored, the screw conducted target practice, including using the great guns. The next day, *Essex* passed a German barque and conducted more gun drills, and anchored for the evening. On August 11, the ship steamed into Chefoo Harbor (Yantai, China) and anchored.

For the next 11 days, in addition to routine ship maintenance and cleaning, the crew repaired the jib, washed down the decks, hoisted in the steam cutter and repaired a blown coil, and the carpenters gang worked on the steam cutter's hull. USS *Omaha* anchored in the harbor on August 11 and left the next day, and *Essex* received some US mail. Visits and courtesies were exchanged with the US Consul and several Chinese warships: protected cruiser *Jiyuan*, cruisers *Chaoyong* and *Yangwei*, gunboats *Chuen Tse/Chien Tse* and *Kai Che*, and protected cruiser *Tsi Yuen*. One day *Chaoyong, Yangwei,* and *Jiyuan* left *Chefoo Harbor*, and two days later, they return. On August 19 the screw witnessed a total solar eclipse that lasted nearly 2.5 hours (1:08-3:30 pm). On August 23, *Essex* paraded her Marine Guard in honor of the French Minister to China, who was leaving the harbor in a mail steamer. That same day, *Essex* got underway, leaving the harbor and passing Chefoo Lighthouse. The crew conducted torpedo exercises and a forward torpedo spar guy was carried away owing to stress brought on it by steaming ahead. The ship steamed about the floating torpedo target for nearly an hour. On August 25, fog was encountered while passing through Prince Imperial Archipelago and after it cleared, *Essex* sighted sloop USS *Omaha* and exchanged maritime signal numbers with her. The ship stood up the Salee River, exchanged more signals with *Omaha*, and anchored in Chemulpo Harbor (Incheon, South Korea). Courtesy visits were exchanged with officers from *Omaha*, Japanese, and Chinese vessels in the harbor; *Omaha* left Chemulpo on August 26. Until the end of the month, *Essex* crewmen overhauled the waste pipes of the magazine and shell room, the torpedo fittings of the steam cutter, and the sailing rig of the launch.

On September 1, 1887, the ship's First Division went ashore for a competitive rifles match and Flagship USS *Brooklyn* anchored in Chemulpo Harbor. The two American ships exchanged signals and Commander Jewell paid an official visit to the flagship. For

most of September, *Essex* remained anchored in the harbor. Her crew kept busy with ship's maintenance and cleaning. Workmen engaged in scraping boat spars and ship's skylights, the Carpenters Gang was at work repairing the boat rail, poop skylights, and awning stanchions, as well as working on the second cutter. The Sailmaker was at work repairing the hammock hood and the Sailmaker's Mate repaired the whale boat's sails. The crew was also busy with military drills . A party of Marines went ashore for target practice, Divisional rifle teams competed in an on-shore rifle match, and other firing parties were sent ashore for target practice. On *Essex* Crewman was placed under a sentry's charge for being under the influence, but he was immediately released to undergo medical treatment. Courtesies and visits were exchanged with dignitaries and ships that entered or left the harbor including the US Consul, US Minister to Korea, Russian Charge d'Affaires, German Consul General, Flagship USS *Brooklyn*, Chinese gunboat *Chen Hai*, Russian gunboat *Bobr*, and USS *Omaha*. Other ships anchor in the harbor and leave during the month including a Corean steamer, and Japanese mail steamers SS *Higo Maru,* SS *Tsuruga Maru*, and SS *Owari Maru.*

At one point, Rear Admiral Ralph Chandler, Commander of the US Asiatic Squadron, departed his Flagship USS *Brooklyn* and she proceeded upriver. Chandler boarded *Essex* and she hoisted the Rear Admiral's pennant - USS *Essex* was the American Flagship. As Brooklyn traveled around, she made signals to *Essex* - including for permission to start distilling - and *Essex* granted permission as the Flagship. After six days, the Admiral's flag was lowered and he returned to Flagship Brooklyn. On September 11, *Essex* was dressed in honor of the Emperor of Russia and four days later, *Brooklyn* went to sea. On September 23, the crew dressed the ship's masthead in honor of the autumn fete (festival) day of the late Japanese Emperor Mikaso. Later that day, a fleet of six British warships entered Chemulpo Harbor. Courtesies and visits were exchanged with English ironclad Flagship HMS *Audacious*, gunboat HMS Alacrity, corvette HMS *Constance*, corvette HMS *Cordelia*, corvette HMS *Heroine*, and gunboat HMS *Swift*. The English fleet left harbor three days later.

On September 28, *Essex* steamed out of Chemulpo Harbor and stopped engine early in the trip to ease up on the crank pin brasses. The ship stood through the main channel of Prince Imperial Archipelago and on the next day, the crew spent time on gun and bayonet exercise drills. On September 30, *Essex* anchored in Nagasaki Harbor, Japan, and Commander Jewell visited Rear Admiral Chandler on Flagship USS *Brooklyn*. Lt. Commander Craig of iron gunboat USS *Palos* visited *Essex* and Assistant Engineer J.K. Barkin transferred to duty on board the *Palos*. The Commanding Officers of two Japanese men-of-war anchored in the harbor visit *Essex*, and the ship received mail from the US. The last days of September saw the Carpenter's Gang at work caulking the ship's seams abaft of the mizzen chains.

During the first half of October 1887, USS *Essex* remained anchored in Nagasaki Harbor and in the first few days of the month, Captain B. Welen of Flagship USS *Brooklyn* visited the ship and a Medical Survey, condemned a crewman for transfer to the US Naval Hospital inYokohama. On October 5, Commander Jewell disembarked the ship and went on leave; the crew engaged in landing party exercises. For the next 10

days, the US Consular Marshall returned several drunk and AWOL crewmen returned; rewards paid in some cases received a reward*. A list of condemned articles from the Construction Equipment, Navigation, and Ordnance Departments was sent to USS *Palos*. A few days later, replacement stores were brought on board for the Equipment and Construction Departments. Several vessels enter and leave the harbor - with some foreign officers visiting *Essex* - including a Russian government steamer*, a Russian cruiser, a French cruiser, French corvette *Parseval*, and corvette HMS *Constance*; she fired a 13-gun salute with US flag at the her fore and the salute was returned gun-for-gun by Flagship *Brooklyn*. When corvette HMS *Sapphire* anchored, she repeated the gun salute and *Brooklyn* answered. Two days before Commander Jewell returned from leave, Rear Admiral Chandler and his staff inspected *Essex* and her crew; he ordered the crew to equip all the ship's boats for distant service and he sent them alongside Flagship *Brooklyn* for inspection.

Commander Jewell returned to the ship during the 4 am to 8 am watch on October 15. During the day, the ship received medical supplies and at night, the crew conducted exercises in night signaling with Flagship *Brooklyn*. On October 17, *Essex* left Nagasaki for the Caroline Islands and headed east along the southern coast of Japan. Between October 19-21, the crew cleaned the ship, adjusted the sails, distilled water, note the weather conditions, and tossed rotten provisions; the Quarterly Board of Survey threw beef bought from Langfeld & Meyer of Yokohama overboard for being spoiled. *Essex* anchored off Oshima Island, Japan, and took on coal from a junk on October 23; the fuel was lightered to the ship by small boats. Fires were transferred from boilers #6 and #8 to boilers #2 and #4 due to a leaking surface blow pipe in boiler 8. For the next three days, *Essex* traveled eastward, with the log describing in detail the changes in sail configurations. On October 27-28, the ship encountered rough seas; lifelines were put out and gratings put over steerage and wardroom hatches. *Essex* took considerable water over her decks at times. On October 29, the Quarterly Board of Survey condemned and thew overboard 12 pounds of roast beef from the Cutting Packing Company of San Francisco. A crewman found the handle of a Gatling gun elevator on the poop deck; reason for its breakage was unknown and a slit in the main topsail was repaired. On October 30, the helm hove to and picked up the 'rough log' - the original hand-written loose leaf pages of the ship's log created by the deck officer on duty during each watch - which had blown overboard. Workmen also bent a new jib since the old one was carried away and on the last day of October a new port topgallant sheet was bent for the same reason.

For the first three weeks of November, 1887, *Essex* made her way to the Caroline Islands, both by sail and steam. The consistent use of sails resulted in the weather main topgallant sheet and the main topsail sheet being carried away - they were replaced and reset. For a time the ship was 'knocking about' considerably because of a severe lack of wind. The crew conducted signaling exercises using both the Army and Navy systems. Throughout this time, more provisions from Langfeld & Meyer of Yokohama were condemned and thrown overboard. On November 12, the crew observed two bright rainbows in the west on the 4-8 am watch - possibly a 'nighttime' example. On November 17 the crew observed brilliant meteor "in NE heavens, which left a bright trail,

visible some two minutes, which gradually curled up, resembling first a comet and later a luminous cloud, the whole lasting about 15 minutes." Two days later, *Essex* anchored at Ponapi (Pohnpei) Island in the Caroline Islands. The fires in boilers #6 and #8 were hauled first due to leaky tubes in #8. Naval aids and the Secretary of the Spanish Government of Ponapi paid the ship an official visit, and an officer from a Spanish man-of-war came aboard.

On November 21, Spanish transport *San Quintin* (sometimes referred to as *San Quentin*) entered and anchored in the harbor; visits were exchanged. Over the next few days, American mission ship *Morning Star* entered the harbor, officers of the Spanish gunboat *Cebu* visited *Essex,* and Spanish vessel *Manila* went to sea. *Essex* crewmen kept busy with ship maintenance, including repairs to the saddle of the jib boom and the steam cutter's boiler was hoisted out and on board for repairs; later tests found the repairs satisfactory. The Carpenter's Mate worked on the air ports, men filled the sand locker, and the boilers were drained. On November 24 *Essex* took onboard prisoner James Kehoe - a US citizen accused of fraud in New Jersey - off of the Spanish prison hulk *Dona Maria de Molina*. Kehoe was transferred from *Essex* to the custody of the Spanish Governor of Ponapi. Later that day, *Essex* left the island, swinging the ship to determine if the compass had any deviation. The next day, the engineers hauled fires from boilers #2, #4, #5, and #7 on account of leak in #2; *Essex* then proceeded under sail. The Quarterly Board of Survey condemned and threw overboard some additional ship's stores that included two cases of beef from Cutting Packaging Company of San Francisco and two pounds of canned corn from Jed Jones of Portland Maine. At the end of November, the Sailmakers were at work on the steam cutter canopy and the Carpenter's Gang were working on the top rail for the port side pivot port.

For the first two weeks of December 1887, *Essex* worked her way back to Yokohama, Japan. On December 1, while sailing, the ship was taken aback while tacking and lost a taftrail log line when it tangled with rudder; the log line was replaced with spare halliard lines. More ship's stores were condemned, this time it was six pounds of sausage received from the Langfeld & Meyer of Yokohama. The logbook is full of entries about sail settings, sea state, crew exercises, testing the magazine flood cocks, crew punishments, and the sailing launch was overhauled. When standing between Peel and Hillsborough Islands of the Bonin Islands group south of Japan, the Engineering Crew started the boilers but once again had to haul fires in #5 and #7 on account of a leak in #7. By December 13, *Essex* approached and stood into Yeddo Bay and anchored Yokohama harbor and exchanged signals with gunboat USS *Monocacy*. *Essex* exchanged courtesies and visits with the US Consul General, the French battleship Flagship *Turene*, and German gunboat *Wolf*. A Japanese man-of-war anchored in the harbor and fired a 19-gun salute in honor of the French Admiral on his flagship; *Essex* raised a Japanese flag at the mainmast in answer. Two crewmen were transferred from *Monocacy* to *Essex*, a ship's equipment inventory was taken, the Carpenters Gang was busy repairing the water closets, the Sailmaker repaired the fore topmasts staysail, and the ship took on coal. On December 17, liberty parties were sent ashore with some crewmen returning drunk, late, or they were AWOL.

Two days later, *Essex* left Yokohama and traveled through the Inland Sea, exchanged colors with the Prussian gunboat *Wolf c*ut out boilers #2 and #4 due to leaking. The crew exercised with small arms and conducted torpedo practice. Steaming through the nice, *Essex* passed a steamer, entered Kii Channel, and entered Kobe Harbor and anchored on December 21. Visits and courtesies were exchanged with: sloop Flagship USS *Brooklyn*, protected cruiser Japanese Flagship *Takachicho*, French cruiser *Primauguet*, Japanese ironclad *Fuso*, Japanese mail steamers SS *Satsuma Maru*, SS *Yokohama Maru*, and SS *Tokio Maru*, German gunboat *Wolf*, gunboat HMS *Linnet*, British steamers *Lepio* and *Ching Wo*, and the US Consul to Kobe. American Rear Admiral Ralph Chandler visited the Japanese Flagship *Takachicho* and received a 13-gun salute that was then returned by Flagship USS *Brooklyn*. On December 22, crewman George Middleton fell from the foreyard to the deck of the topgallant forecastle and sustained a severe fracture of the skull; he died 25 minutes later. The next day, Middleton's funeral party was sent into Kobe. *Essex* exchanged signals exchanged with flagship Brooklyn and on December 25, the crew dressed the ship for visit a by Rear Admiral Chandler and his staff. On Christmas Day, *Essex* noticed a fire on shore and hoisted the fire signal; Flagship *Brooklyn* answered. On December 30, a French gunboat anchored in the harbor and hoisted the quarantine flag.

*October 8 is written on the page for October 7.

Tags:
American Ships: sloop Flagship USS *Brooklyn*, sloop-of-war USS *Essex*, sloop USS *Marion*, gunboat USS *Monocacy,* mission ship *Morning Star*, steamer *Oceanic* (American operated, British owned), sloop USS *Omaha*, iron gunboat USS *Palos*

British Ships: gunboat HMS *Alacrity*, ironclad Flagship HMS *Audacious*, steamer *Ching Wo*, corvette HMS *Constance*, corvette HMS *Cordelia*, corvette HMS *Heroine*, steamer *Lepio*, gunboat HMS *Linnet*, corvette HMS *Sapphire*, sloop HMS *Satellite*, gunboat HMS *Swift*

Canadian Ship: steamer *Abyssinia* (Canadian operated, British owned)

Chinese Ships: cruiser *Chaoyong*, gunboat *Chen Hai*, gunboat *Chuen Tse/Chien Tse*, protected cruiser *Jiyuan*, gunboat *Kai Che*, protected cruiser *Tsi Yuen*, cruiser *Yangwei*

French Ship: corvette *Parseval*

German/Prussian Ship: gunboat *Wolf*

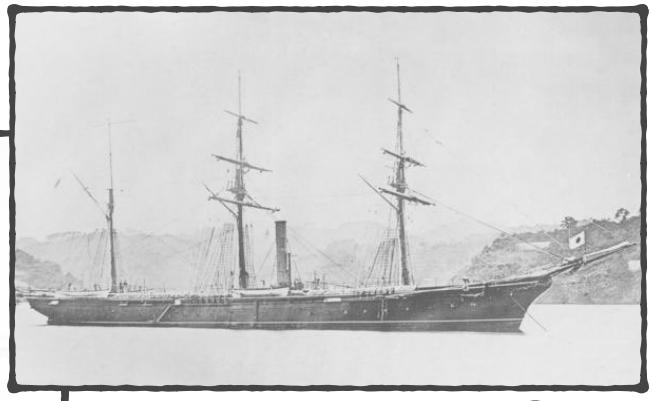
Japanese Ships: ironclad *Fuso*, mail steamer SS *Higo Maru*, mail steamer SS *Owari Maru*, mail steamer SS *Satsuma Maru*, corvette *Seiki*, protected cruiser Flagship *Takachicho*, mail steamer SS *Tokio Maru*, mail steamer SS *Tsuruga Maru*, mail steamer SS *Yokohama Maru*

Russian Ships: gunboat *Bobr*, corvette *Rynda*, gunboat *Sivuch*, corvette *Vitiaz*

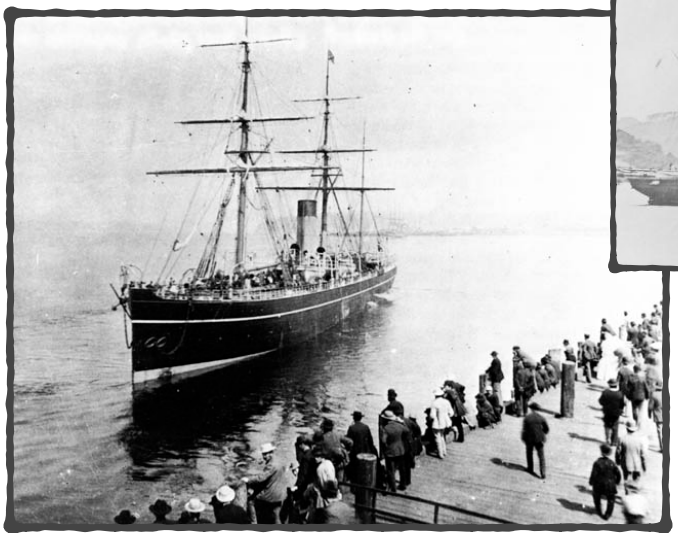
Spanish Ships: gunboat *Cebu*, prison hulk *Dona Maria de Molina,* vessel *Manila*, transport *San Quintin*



USS *Essex*



Seiki



SS *Abbysinia*

LOG BOOK

OF THE

U.S.S. Essex

3rd RATE

OF Six GUNS,

COMMANDED BY

Commander J. E. Jewell, U.S. Navy,

Attached to Asiatic Squadron,

Commencing July 1st, 1887,

at Yokohama, Japan,

and ending Dec 31st, 1887,

at Kobe, Japan

BUREAU OF NAVIGATION,

NAVY DEPARTMENT.

1886.

LIST OF OFFICERS

Attached to and on board of the U. S. S. "Essex" 3d Rate, commanded by Commander F. F. Jewell, U. S. N., during the period covered by this Log-Book, from July 1st, 1884, to Dec 31st, 1884.

NAME.	RANK.	NAME.	RANK.
F. F. Jewell	Commander		
J. A. Bickwell	First Lieut		
~~C. V. Washburn~~	~~Lieutenant~~		
C. D. Galloway	Lieutenant		
~~B. F. Walling~~	~~Lieutenant~~		
A. F. Fechteler	Ensign		
H. L. Poundstone	Ensign		
F. J. Loomis	Ensign		
W. B. Taggatt	Ensign		
J. A. Hawke	Ensign		
J. W. Stivers	Chief Engineer		
H. R. Smith	P. A. Paymaster		
J. K. Barton	P. A. Engineer		
D. C. Redgrave	Asst. Engineer		
R. L. Wainwright	1st Lieut U. S. M. C.		
M. L. Darnall	Pay Clerk		
F. A. Lewis	Naval Cadet		
Henry Ernst	P. Asst Engr		
J. B. K. Mason	Lieutenant		

Examined and found to be correct.

Thos. B. McLean

Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S. "Essex" "3 Rate"
commanded by T. F. Jewell Commander, U. S. N., during the period covered by this
Log-Book, from July 1st, 188-, to Dec 31st, 188-.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
J. K. Barton	P. A. Engineer	Sept 30th 188- to U. S. S. Palos
F. A. Lewis	Asst Cadet	June 29th 188- from U. S. S. Brooklyn
Lucy Herring	Asst Engineer	Sept 30th 188- from U. S. S. Brooklyn
T. B. M. Mason	Lieutenant	Oct 1st 188- from U. S. S. Brooklyn

Examined and found to be correct.

Thos. B. M. Mason
Navigator.

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of the U. S. S. "Essex" 3d Rate at first commissioning June 21st 1886.

NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.	NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.
1	Chief Boatswain's Mate,	1	1	Cabin Steward,	1
2	Boatswain's Mate,	2	1	Cabin Cook,	1
	Seamen Gunners,		1	Ward-room Steward,	1
1	Chief Gunner's Mate,	1	1	Ward-room Cook,	1
	Gunner's Mates,		1	Steerage Stewards,	1
1	Chief Quartermaster,	1	1	Steerage Cooks,	1
3	Quartermasters,	3		Warrant Officer's Steward,	
3	Coxswains,	3		Warrant Officer's Cook,	
2	Captains of Forecastle,	2	8	Seamen,	8
4	Captains of Tops,	4		Ordinary Seamen,	
2	Captains of Afterguard,	2	16	Landsmen,	16
3	Quarter-Gunners,	3		Boys,	
1	Carpenter's Mates,	1	20	Apprentices,	63
1	Sailmaker's Mates,	1	2	Machinists,	2
1	Armorer,	1	1	Boiler Makers,	1
1	Captains of Hold,	1	3	Water Tenders,	3
1	Ship's Cook,	1	3	Oilers,	3
1	Ship's Corporals,	1	1	First-class Firemen,	1
1	Lamp-lighter,	1	6	Second-class Firemen,	6
2	Carpenters and Calkers,	2	12	Coal Heavers,	12
1	Baymen,	1		TOTAL,	166
1	Master-at-Arms,	1			
1	Apothecary,	1			
1	Ship's Yeoman,	1			
1	Paymaster's Yeoman,	1			
1	Engineer's Yeoman,	1			
1	Schoolmaster,	1			
1	Ship's Writer,	1		ADDITIONAL FOR FLAGSHIP.	
1	Ship's Tailor,	1		Master of the Band,	
1	Ship's Barber,	1		Chief Musician,	
1	Painter,	1		First-class Musicians,	
1	Bugler,	1		Second-class Musicians,	
1	Jack of the Dust,	1		Printer,	
1	Blacksmith,	1		Steward to Commander-in-chief,	
				Cook to do.	
				Coxswain to do.	
				Seamen to do.	
				Ordinary Seamen to do.	
				Landsmen to do.	

Examined and found to be correct.

Theo. A. M. Mason
Navigator.

U. S. S. "Essex" 3d Rate

Description of Instruments used for Meteorological Observations, their Location, &c.

INSTRUMENT.	MAKER.	NUMBER.	LOCATION.	DATE OF LAST COMPARISON.	COMPARED WITH—	ERROR.
MERCURIAL BAROMETER.	Jas. Green New York	1496	Capt Office abaft armory.	Navy Yard Aug. 1884 Navy Yard 30th 1886. Navy Yard Navy comparison	~~Springfield~~ ~~Navy Dept~~ Navy Yard	0
ANEROID BAROMETER.		H P B N	Cabin Bulkhead			
THERMOMETER, (Dry Bulb.)	J. & R. J. Green	1520	Wiz Hart under Pool Deck	March 30th 1885	Signal Office Washington	18°– 0.3 to to +120° + 0°.1
THERMOMETER, (Wet Bulb.) (Psychrometer.)	J. & R. J. Green	1534	Same	Same	Same	–18°– 0.6 to to 120° + 0°.1

Examined and found to be correct.

Thos. B. McMasters
Navigator.

ARMAMENT

Of the U. S. S. Essex 3 Rate

PRIMARY.

NO. OF GUNS.	CAL.	MARK.	DESCRIPTION.	CARTRIDGE. POWDER.	CARTRIDGE. WEIGHT.	PROJECTILES. KIND.	PROJECTILES. WEIGHT.	CARRIAGES.	REMARKS.
No 365	9"	Ga. & G	S.B.	Cannon	13 lbs	Shot	90 lbs	No. 4	Broadside
364	do	do	do	do	do	Shell	2/0 do	do 18	do
366	do	do	do	do	do	Canister	1/5 do	52	do
368	do	do	do	do	do	Grape	1/4 do	2/4	do
No 13	8"	B. F. Converted Rifle		No 4	9 lbs	Shell	16 lbs	31	1 pr Pivot
	60 Pdr	do		Rifle	6	Percussion	60 lbs		Directing Bar

SECONDARY.

No 14 No 5 Jatting

BOAT ARMAMENT.

1 12 Pdr Light 1 B. Dahlgren

1 3" B.L.R.

SMALL ARMS.

2/5 Hotchkiss Repeating Rifles Cal 45/100
2/5 Colts Revolvers
2/0 Cutlasses

Examined and found to be correct.

Thos. B. M. Mason
Navigator.

TABLES of Deviation of the Standard Compass No. 68 on board the U. S. S "Essex"

DATE: Nov 24th 1864
PLACE OF OBSERVATION: Bay
LATITUDE: N 40
LONGITUDE: 8 58° 14' 30"
OBSERVED VARIATION: 6° 28 85 E

SHIP'S HEAD BY COMPASS.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.
NORTH.	.18 E					
N. by E.						
N. N. E.	.32 E					
N. E. by N.						
N. E.	1.16 E					
N. E. by E.						
E. N. E.	2.04 E					
E. by N.						
EAST.	2.04 E					
E. by S.						
E. S. E.	.13 E					
S. E. by E.						
S. E.	.29 W					
S. E. by S.						
S. S. E.	.54 W					
S. by E.						
SOUTH.	.16 W					
S. by W.						
S. S. W.	.04 W					
S. W. by S.						
S. W.	.24 W					
S. W. by W.						
W. S. W.	1.49 W					
W. by S.						
WEST.	2.14 W					
W. by N.						
W. N. W.	.34 W					
N. W. by W.						
N. W.	.11 E					
N. W. by N.						
N. N. W.	.15 E					
N. by W.						

Examined and found to be correct.

Theo. B. McMason
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in tenths.	State of the Sea.
				Ships Head													
A. M.				S E.	East	1			29.74	74	74	70		b c.	cumuli	0	S
1				N E by E.	E N E.	1			29.73	74	73	70		o c.	"	0	"
2				N E by N.	N" E.	2			29.72	74	72	70		"	"	0	"
3				N N E.	"	2-4			29.72	74	72	70		"	"	0	"
4				N N E.	N N E.	2-3			29.72	73	72	69		"	"	0	"
5				N by E.	N N E.	3-3			29.73	72	72	69		b c.	"	0	"
6					North	2			29.74	72	70	68		b c.	cir cumu	2	"
7				N N E.	"	2			29.75	72	70	68		"	"	4	"
8				N E.	"	2			29.76	72	70	68		1 ch.	mist	0	"
9				N E by N.	"	2			29.78	73	72	69		b ch.	cir cumu	2	"
10				N E by E.	"	2			29.79	74	73	70		b cu.	"	2	"
11				E by S.	"	2			29.80	74	74	70		"	"	2	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at Noon, 2800 "

Coal consumed during the preceding 24 hours, tons 1280 lbs.

Coal remaining on hand at Noon, 26 " 911 "

P. M.									
1	S E.	S E.	1	29.80	74	74	70	b c.	cumu	3	S
2	S E by E.	"	1	29.80	74	74	70	"	"	4	"
3	"	"	1	29.79	74	74	70	"	"	5	"
4	S E.	"	1	29.79	74	74	70	"	"	5	"
5	S E by S	S W.	2	29.82	76	75	71	o c.	cir cumu	0	"
6	S by E.	"	2	29.83	76	75	70	"	"	0	"
7	South	"	2-3	29.85	75	74	70	"	"	0	"
8	S by E.	South	3	29.87	75	73	70	"	"	0	"
9	"	"	3	29.89	75	74	71	"	"	0	"
10	S by W.	"	3	29.89	75	74	71	"	"	0	"
11	South	"	3	29.89	75	73	70	"	"	0	"
Mid.	S by E.	"	3	29.88	75	73	71	"	"	0	"

under the command of Commander T. F. Jewett, U. S. Navy,

Friday July 1st, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Overcast, cloudy, and rainy. Light airs from N. & E., increasing to moderate squalls last hour. Clear hawse, sitting to port chain.

F. A. Lewis
Naval Cadet U. S. N.

From 4 to 8 A. M. Overcast & cloudy with rain at intervals during half of watch. Light to gentle breze from North to N. E. Cleaned bilges. Clear hawse.

A. F. Beaman
Lieut U. S. N.

From 8 A. M. to Meridian. Cloudy to fair weather with light passing showers first two hours. Light breze from North. Clear hawse.

E. F. Sooms
Ensign U. S. N.

From Meridian to 4 P. M. Fair and pleasant. Light airs from S. E. Discharged from this ship and from the Naval Service Ah Yuen Lee, & Ah Lee Lee. Stopped distilling, and hauled distilling fires at 3.20. Clear hawse.

F. A. Lewis
Naval Cadet U. S. N.

From 4 to 8 P. M. Overcast and cloudy. Light increasing to gentle breze from S. W. At 6.05 went to fire quarters. E. F. Sooms

From 8 P. M. to Midnight. Overcast & cloudy. Gentle S'y breze. Clear hawse.

Ensign U. S. N.

F. A. Lewis
Naval Cadet U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut U. S. N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Sqr E.	South	3			29.90	44	43	41		N.W.	cumuli	0	1
1				South	"	3			29.90	44	43	41		"	"	0	"
2				S. by W.	"	3			29.91	44	43	41		"	"	0	"
3				S.W.	S.W.	2-3			29.92	45	43	41		"	"	0	"
4				N.W.	N.W.	1			29.93	44	42	40		"	"	0	"
5				N.W. by N.	"	2			29.94	43	40	69		N.W.	"	0	"
6				"	N.N.W	2			29.96	43	69	68		"	"	0	"
7				"	"	1			29.96	41	68	64		"	"	0	"
8				N.W.	"	2			29.98	41	68	64		"	"	0	"
9				N.N.W.	"	2			29.98	41	69	68		"	"	0	"
10				"	"	2			29.99	41	69	68		"	"	0	"
11				N. by W.	"	2			29.99	41	69	68		"	"	0	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 320 gallons.

Water Distilled during the preceding 24 hours, 220 "

Water remaining on hand fit for use at Noon, 2650 "

Coal consumed during the preceding 24 hours, tons 560 lbs.

Coal remaining on hand at Noon, 26 " 351 "

P. M.									
1	North	North	2	29.98	42	40	69	N.W. cumuli	0 1
2	"	"	2	29.97	42	40	69	"	0 "
3	"	"	2	29.96	42	40	69	N.W.	0 "
4	"	N. by W.	2	29.96	42	40	69	"	0 "
5	N. by E.	N.E.	2	29.93	41	40	69	N.W.	0 "
6	N.E. by E.	"	2	29.92	41	40	69	"	0 "
7	E. by E.		1	29.91	41	40	64	"	0 "
8	South	East	2	29.91	41	40	69	"	0 "
9	S.W.	E. by E.	2-3	29.92	41	41	69	"	0 "
10	N.W.	N.E.	2-3	29.92	41	40	69	"	0 "
11	"	"	2-3	29.92	41	40	69	"	0 "
Mid.	N. by W.	North	2-3	29.92	40	69	68	"	0 "

under the command of Commander T. F. Jewell, U. S. Navy,

Saturday July 2d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A. M.
Overcast, and hazy with cumulus clouds. Light to gentle breeze from South and E. No tide. Clear Ahead.

H. C. Poundstone
Ensign U. S. N.

From 4 to 8 A. M.
Overcast and thirty first hour, raining heavily remainder of watch. Light airs to light breeze from N. E. and N. N. W. Barometer rising gradually. Received in Bay Left for issue to crew 1/2 lb each of fresh beef and vegetables and 100 lbs fresh bread. Clear Ahead.

J. Forney
Ensign U. S. N.

From 8 A. M. to Meridian
Overcast cloudy and raining. Light breeze from N. W. Tested magazine flood cocks. Am'r Steamer Oceanic sailed for San Francisco at 10.20. Overhauled bilge pumps. Gross in Ahead, Starboard chain on bot.

F. A. Lewis
Naval Cadet U. S. N.

From Meridian to 4 P. M.
Overcast with cumulus and mixed clouds. Rainy 1st part drizzling occasionally afterwards. Light breeze from West and N. by E. No tide. Gross in Ahead.

H. C. Poundstone
Ensign U. S. N.

From 4 to 8 P. M.
Overcast and cloudy with steady rain. Light breeze to light airs from N. E. Barometer falling. Cleared in Ahead, Starboard chain on bot.

F. A. Lewis
Naval Cadet U. S. N.

From 8 P. M. to Midnight
Overcast with cumulus and mixed clouds. Continual heavy rain. Light to gentle breeze from E. S. E. 1st hour shifting to N. E. and North. Rounded in Ahead. No tide.

H. C. Poundstone
Ensign U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by ● symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. by E.	North	3			29.884	70	69	68		t.cr.	cumk	0	S
2				"	"	3			29.874	70	69	68		"	"	0	"
3				North	"	3			29.864	70	69	68		"	"	0	"
4				"	"	3			29.864	70	69	68		"	"	0	"
5				"	"	3			29.86	68	67	66		"	"	0	"
6				"	N. N. W.	2			29.88	67	66	65		"	"	0	"
7				"	"	2-3			29.90	67	65	64		"	"	0	"
8				N. E.	N. W.	2-3			29.91	67	65	65		t.c.	"	0	"
9				N. by E.	N. by E.	3			29.91	68	66	65		o.cl.	"	0	"
10				N. by W.	N. by W.	3			29.91	68	66	66		"	"	0	"
11				"	"	3			29.91	69	66	66		"	"	0	"
Noon.				"	"	3			29.94	69	67	66		"	"	0	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water _____ during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2350 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 25 " 2191 "

P. M.												
1		North	North	3	29.954	68	64	t.cu.	cum.mist	0	S
2		"	"	3	29.954	68	64	o.cl.	"	0	"
3		N. N. E.	"	1	29.954	68	67	o.c.	"	0	"
4		North	"	1	29.954	68	67	o.cl.	"	0	"
5		N. by E.	N. N. E.	2	29.956	68	67	o.cl.	"	0	"
6		North	N. E.	2	29.956	68	67	o.c.	"	0	"
7		N. E.	"	2	29.954	69	66	"	"	0	"
8		"	"	2	29.954	69	64	"	"	0	"
9		N. E. by E.	"	3	29.954	69	64	"	"	0	"
10		N. E.	"	3	30.014	69	64	"	"	0	"
11		"	"	3	30.016	68	66	"	"	0	"
Mid.		"	"	3	30.026	68	66	"	"	0	"

under the command of Commander T. F. Jewett, U. S. Navy,

Sunday July 3d, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Cutter at A.M.
Overcast and raining. Gentle breeze from North.

From 4 to 8 A.M. Ensign W. B. Hoggatt U.S.N.
Overcast, cloudy and raining. Winds to light breeze from N.E. & E.
Barometer rising. Received in Pay. Dept 105 lbs of fresh bread. Rounded
turn in hawse.

From 8 A.M. to Meridian F. A. Lewis Acting Cadet U.S.N.
Overcast with dense clouds. Drizzling till last hour, when it
came out rain. Gentle breeze from N by E. to N by W. At 9 A.M. went to
quarters for inspection. Commanding Officer inspected ship and
crew. After quarters, called all hands to muster and published articles
of war. Cutter in hawse. No apparent tide. Held Divine Service.

From Meridian to 4 P.M. A. Townsend Ensign U.S.N.
Overcast, cloudy, raining and foggy. Gentle breeze to light
airs from North. Cutter in hawse.

From 4 to 8 P.M. Ensign W. B. Hoggatt U.S.N.
Overcast with dense dense clouds. Drizzling first hour.
Light breeze from N.N.E. and N.E. No apparent tide. Rounded turn
in hawse. Held Divine Service on board.

A. Townsend

From 8 P.M. to Midnight Ensign U.S.N.
Overcast and cloudy. Gentle breeze from N.E. by East. Chr.
A. Donaldson C. Mr and C. Forrester C. Mr, returned to ship overtime drunk
and were placed under arrest by order of the Commanding
Officer. Cutter in hawse. Jos. F. Cunningham, C. Mr, returned ship
overtime.

W. B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

D. D. Galloway Lieut. and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				N. E.	N. E.	2			30.02	69	68	66		o.c.	cum. nim.	0	S
1																	
2				"	"	2			30.01	68	68	66		"	"	0	"
3				N. E. by N.	"	2-3			30.01	68	68	66		o.c.	"	0	"
4				"	"	3			30.01	67	67	66		"	"	0	"
5				N. N. E.	"	3			30.01	68	67	65		o.c.	"	0	"
6				"	"	3			30.01	68	67	65		"	"	0	"
7				N. E. by N.	N. E. by N.	3			30.01	67	66	64		"	"	0	"
8				N. E.	"	3			30.01	67	66	64		"	"	0	"
9				"	N. E.	1-2			30.08	69	68	65		o.c.	"	0	"
10				"	"	1-2			30.10	70	68	65		"	"	0	"
11				"	"	1			30.10	71	69	67		o.c.	cum.	2	"
Noon.				E. N. E.	"	1			30.10	71	69	67		"	"	2	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water ——— during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, tons 720 lbs.

Coal remaining on hand at Noon, 25 " 1441 "

P. M.										
1	E. N. E.	N. E.	2	30.08	71	68	b.c.	cum. str.	7	S
2	East	E. N. E.	2	30.06	72	68	"	"	7	"
3	"	E.	2	30.04	72	68	"	"	7	"
4	"	East	2	30.04	73	68	"	cu. cum.	7	"
5	E. by S.	E. by S.	2	30.04	73	68	"	"	7	"
6	E. by S.	E. by S.	2	30.04	73	69	"	"	7	"
7	E. by S.	East	2	30.04	73	70	"	cum.	7	"
8	East	"	2	30.06	73	70	"	"	7	"
9	"	"	2	30.06	73	70	"	cu. cum.	8	"
10	"	"	2	30.08	70	69	"	"	8	"
11	"	"	2	30.08	68	68	"	"	7	"
Mid.	E. N. E.	E. N. E.	2	30.08	68	64	"	"	8	"

under the command of Commander T. F. Jewell, U. S. Navy,

Monday July 4th, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Overcast & cloudy. Light to gentle breeze from N.E. Light rain. Employed in harbor, starboard chain on hook.

A. T. Jeckton
Lieut U.S.N.

From 4 to 8 A.M.

Generally cloudy. Clouds commenced. Drizzling first part. Gentle breeze from N.E. & N.E. by N. No title. Rounded turns in harbor. American mail steamer came in. At 8 o'c dressed ship and yard arm in honor of the day. Fleet of Foreign men-of-war dressed ship at 8 o'c, American ensign at main. Rewards of ten dollars each were sent on shore for the following named men. H.C. Boyle, P.M., W.E. Bonner, P.M., Jos Stahler, P.M., Wm Branigan C. to, J.F. Cunningham, C. to, A. Campbell, Sea., F. Wallace O.T., P. Ruttedge, Sa. 2.C., T. Paxmore Sa. 2.C.

H.C. Tomkinson
Ensign U.S.N.

From 8 A.M. to Meridian

Cloudy first part, clearing last part. Light airs & breeze from N.E. Cleared harbor. Flagship made signals II Div II Squd. pennant 3, numeral 1, then I Div II Squd pennant 23 numeral 20 then telegraphic 1134 & II Div II Squd, pennant 13. At noon saluting vessels in harbor fired salutes of 21 guns each in honor of the American Independence. By order of Duty Officer placed F. Wallace, C. T., in double irons for being absent without leave.

W.B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.

Light breeze from N.E. & E.N.E. Clear & pleasant. Put J. Scribner I.C. appl. under arrest charge for assaulting Ward Room Cook & then in double irons for insolence to & attempting to assault Sergeant of Guard to await action of Commander. Dec Laroe.

A. T. Jeckton
Lieut U.S.N.

From 4 to 8 P.M.

Clear first part, clouding last part. Light breeze from E.S.E. and East. Three Russian men-of-war came in and anchored. Sent boarding officer to Russian flagship.

W.B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight

Fair & Cool. Light breeze from E.N.E. at 9 o'c illuminated ship in honor of the day.

C.D. Galloway
Lieut U.S.N.

Examined and found to be correct.

C.D. Galloway Lieut & Navigator.

LOG of the UNITED STATES "Steamer Essex", 3d Rate,

Moored in the harbor of Yokohama.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				E. N. E.	E. N. E.	2			30.01	67	67	66		b.c.	cum nimb	8	4
1				N. by W.	N. by W.	2			30.06	64	66	64		"	"	8	"
2				N. N. W.	N. W.	2			30.02	67	66	64		"	"	5	"
3				N. by W.	"	2			30.05	64	66	64		"	"	5	"
4				"	North	2			30.05	68	66	64		"	"	3	"
5				"	"	2			30.08	68	66	64		"	"	6	"
6				North	"	2			30.10	68	64	66		"	"	4	"
7				N. N. E.	"	2			30.09	69	67	66		"	cir cum	6	"
8				"	N. N. E.	2			30.09	41	69	66		"	"	4	"
9				East	"	2			30.09	41	69	66		"	"	4	"
10				"	E. N. E.	2			30.09	41	69	66		"	"	4	"
11				E. by S.	"	2			30.09	40	66			"	"	6	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water ——— during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1650 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 25 " 1021 "

P. M.												
1		E. by N.	N. N. E.	2	30.04	71	70	64	h.c.	cir cum	4	4
2		N. E. by E.	"	2	30.05	72	72	64	"	"	4	"
3		N. E.	"	2	30.04	72	72	64	"	"	4	"
4		N. N. E.	East	2	30.03	42	71	68	"	"	6	"
5		"	"	3	30.04	73	71	68	"	"	6	"
6		"	"	3	30.04	73	71	64	"	"	6	"
7		N. E. by N.	N. E.	3	30.05	72	70	66	"	"	5	"
8		"	"	3	30.05	72	70	66	"	"	3	"
9		E. N. E.	E. N. E.	2-3	30.04	71	69	66	"	"	2	"
10		E. N. E.	E. N. E.	2-3	30.02	70	69	66	"	"	2	"
11		N. E.	N. E.	3	30.02	70	69	65	"	"	2	"
Mid.				3	30.00	70	68	65	"	"	2	"

under the command of Commander T. F. Jewett, U. S. Navy,

Thursday July 5th, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences with Cutter & A.M.

Clear decreasing to fair weather. Light breze from E.N.E. first hour and N.W. remainder of watch. Clear hazy. Priv. Boyle returned on board 43 hours pass time.

F. Toms
Ensign U.S.N.

From 4 to 8 A.M.

Generally clear. Light breze from North and N.N.E. Made preparations for coaling. Received 4 tons. W.E. Bowne, P.M. returned three days on time.

W.B. Hoyt
Ensign U.S.N.

From 8 A.M. to Meridian

Clear and pleasant. Light breze from N.N.E. and E.N.E. Finished coaling, receiving on board in, all 80 tons. Clear hazy.

A.T. Dechert
Lieut U.S.N.

From Meridian to 4 P.M.

Clear and pleasant weather. Light breze from N.N.E. Received in Navigation Dept. 120 Gals Oil and in Engineers Dept. 50 Gals Oil 20 Gals Asphaltum, 55 ft. 1" Piping, 20 lbs Tucks Packing, 1 lb Ground Grass, 200 lbs Waste, 12 Red Brick, 24 Lamp Glasses. Placed T. Drutes, Sea, under arrest charged to await action of Commdg Officer.

F. Toms
Ensign U.S.N.

From 4 to 8 P.M.

Partially cloudy. Gentle breze from East and N.E. Beat Call at 6:15 mustered at quarters and found the following men absent without leave A. Campbell, Sea, W. Branigan, C'tr, H. Evans, C'tr, J. Kohler P.M. Clear hazy.

A.T. Dechert
Lieut U.S.N.

From 8 P.M. to Midnight

Cloudy weather. Light increasing to gentle breze from E.N.E. At 9:00 made General Signal Very's Ide 461 to Flagship. Answered 90 A. Expended two rockets 6 Stars and 38 Stars. (.32 cal. & 1.45 cal.) At 10:00 Started fires in boilers 1 and 3 for condensing. Clear hazy.

F. Toms
Ensign U.S.N.

Examined and found to be correct.

E.D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				N. E.	N. W.	2			30.006	96	86	6		o.c.	cumu	0	1
1				N. by E.	North	2			29.986	86	86	5		"	"	0	"
2				"	"	2			29.976	86	46	5		"	"	0	"
3				North	"	2			29.966	86	46	5		"	"	0	"
4				N. by E.	"	2			30.076	86	46	5		"	"	0	"
5				"	"	3			30.076	86	46	5		o.c.	cumu mich	0	"
6				"	"	3			30.066	86	46	5		"	"	0	"
7				N. E. by N.	"	3			30.056	86	46	5		"	"	0	"
8				N. N. E.	N. N. E.	2-3			29.926	96	86	5		o.c.	"	0	"
9				"	"	2-3			29.936	96	86	5		o.c.	cir cumu	0	"
10				"	"	3			29.916	96	86	5		"	"	0	"
11				N. by E.	North	3			29.916	96	86	6		o.c.	cumu mich	0	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, 1 tons 1420 lbs.

Coal remaining on hand at Noon, 103 " 1891 ".

P. M.										
1	North	North	4	29.904	06	86	6	o.c.	cumu mich	0	1
2	N. by W.	"	4-6	29.894	06	86	6	"	"	0	"
3	"	"	4-6	29.884	06	86	6	o.cl.	"	0	"
4	North	"	4-6	29.884	06	86	6	o.c.	"	0	"
5	"	"	3-5	29.866	66	36	2	"	"	0	"
6	"	"	3-5	29.846	66	46	3	"	"	0	"
7	N. by W.	N. N. W.	3	29.836	66	46	3	b.cl.	cumu mich	1	"
8	"	"	3	29.836	66	56	3	b.c.	"	1	"
9	"	North	2	29.856	46	56	6	"	"	2	"
10	N. N. W.	"	2	29.866	86	66	4	"	"	2	"
11	N. by E.	"	1-2	29.866	96	66	4	o.c.	"	0	"
Mid.	E. N. E.	"	2	29.864	06	76	5	b.c.	cir cumu	4	"

under the command of Commander T. F. Jewett, U. S. Navy,

Wednesday July 6th, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Overcast and cloudy. Light N. by E. breeze. Barometer falling. Distilling. Crew in hammocks, port chain on hook.

F. A. Lewis
Naval Cadet U. S. N.

From 4 to 8 A. M.

Overcast and cloudy with light rain, during most of watch. Light to gentle breze from North. Crew in hammocks.

L. A. Beaujon
Lieut U. S. N.

From 8 A. M. to Meridian

Fair to cloudy weather with passing showers. Heavy rain last hour. Making preparations for sea. Received in Pay Dept 5000 lbs Bread, 300 lbs Oatmeal, 1200 lbs Flour, 2400 lbs Pork, 100 Gals Beans, 50 Gals Peas, 1200 lbs Salt Beef, 250 lbs Rice, 250 lbs Dried Fruit, 400 lbs Butter, 240 lbs Tomatoes, 1600 lbs Canned Meat, 394 lbs Ham, 328 lbs Bacon, 1000 lbs Sausage, 200 lbs Coffee, 50 lbs Tea, 2200 lbs Sugar, 600 lbs Pickles, 90 Gals Molasses, 90 Gals Vinegar, 1000 lbs Canned Vegetables, 300 lbs Candles. Crew in hammocks, port chain on hook. At 10.00 a Summary Court Martial met for the trial of J. Welch, O.a.2.C., at 11.20 Summary Court Martial adjourned. Received an official visit from Comd'g Officer of H.M.S. Pottclete.

J. Jewett
Ensign U. S. N.

From Meridian to 4 P. M.

Overcast and cloudy with drizzling rain. Moderate to fresh N'ly breeze. Receiving stores in Pay and Equipt Depts. In Equipt Dept received as follows, viz: 6 Scrubbing Brushes, 1 Tar Brush, 1 Corn Broom, 6 lbs 12 ds Hemp, 4 lbs 15 lbs Hemp, 18 lbs Oakum, 1/2 gl Tar, 10 Gals Coal Tar, 12 Bath Bricks, 15 lbs Spun Yarn. Russian Flagship fired a salute of 13 guns, Japanese flag at fore, salute returned from Japanese Flagship. Distilling. Crew in hammocks, starboard chain on hook.

F. A. Lewis
Naval Cadet U. S. N.

From 4 to 8 P. M.

Overcast and raining, clearing last hour. Gentle to stiff breze from N and N. N. W. At 6.20 mustered at quarters, found L. F. Dunn, Lds, A. Campbell, Lo. H. Hosmer, C Mr, J. Kohler P. M. and Wm. Branigan, C Mr. absent without leave. Crew in hammocks, port chain on hook. By order of Comd'g Officer placed Wm. Harris, B.M. under suitable charge to sober up and by same authority confined Private Barracks U. S. M. C. to await Court Martial. By order of Comd'g Officer released L. Hart, C Mr, C Spencer, C Mr, A. Donaldson, C Mr, Private Hankin, U. S. M. C. J. F. Cunningham, C Mr, F. Wallace, C Mr and J. E. Dennis, I. C. A, from suitable charge. By order of Comd'g Officer placed T. Denton, Sea in brig on five days bread and water. By order of Comd'g Officer confined J. Daley Lds, and A. Stain, Mdsn, to await action of Court Martial.

J. Jewett
Ensign U. S. N.

From 8 P. M. to Midnight

Fair and pleasant. Light N. by E. breeze. Distilling. Clear hammocks. Distilling.

F. A. Lewis
Naval Cadet U. S. N.

Examined and found to be correct.

E. K. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				E. by E.	S. E.	2			29.81	69	64	65		b. c.	cumu	4	S
1					"	2			29.88	69	64	65		"	"	5	"
2				S. E. by S.	"	2			29.88	69	64	65		"	"	4	"
3					"	2			29.88	69	64	65		"	"	4	"
4				S. W.	"	2			29.88	69	64	65		"	cir. cumu	9	"
5					Calm	0			29.88	66	65	64		b. cumu	"	4	"
6				N. N. W.	"	0			29.88	66	65	64		"	"	4	"
7				N. N. W.	"	0			29.89	67	66	64		"	"	4	"
8				N. W. by N.	E. N. E.	1			29.90	68	64	65		"	"	6	"
9				North	East	1			29.92	70	69	64		b. c.	"	4	"
10				S. E. by E.	"	1			29.91	71	64	64		"	"	4	"
11				S. E. by S.	S. E.	1			29.92	71	40	69		"	"	8	"
Noon.				S. E.	"	1			29.92	72	41	69		"	"	4	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 950 gallons.

Water Distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at Noon, 2750 "

Coal consumed during the preceding 24 hours, 1 tons 1040 lbs.

Coal remaining on hand at Noon, 102 " 851 "

P. M.														
1			S. E. by S.	S. E.	2	29.92	72	73	70	b. c.	cir cumu	5	S
2			S. S. E.	South	2	29.93	72	64	70	"	"	5	"
3			S. by W.	"	2	29.91	72	64	64	"	"	5	"
4			South	"	2	29.91	72	64	64	63	"	"	4	"
5				"	2	29.91	48	64	64	63	"	"	4	"
6			S. by W.	"	2	29.91	72	48	64	63	"	"	8	"
7				"	2	29.90	72	64	73	70	"	"	5	"
8			South	"	2	29.90	72	64	73	70	"	"	6	"
9			W. S. W.	S. S. W.	1/2	29.91	72	64	73	70	"	cir cir	8	"
10			S. by W.	"	1	29.91	72	64	71	70	"	"	8	"
11				"	1	29.91	72	64	71	69	"	"	4	"
Mid.			S. W. by W.	"	1	29.91	72	64	71	69	b. cumu	"	4	"

under the command of Commander T. F. Jewell, U. S. Navy,
Thursday July 4th, 1861.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Fair & cool weather. Bright moonlight. Light breeze from S.E. At 3.00 stopped, distilling & banked fires in No. 1 & 3 boilers. Yellow Launch.

J. F. Loomis
Ensign U.S.N.

From 4 to 8 A.M.
Generally clear bright & warm. Hazy. Calm & cirrus clouds. Same as last hour when light airs came out from E.N.E. At 6.00, signalled Int 4560. Answered negative. A. Campbell, Sea returned 4 days overtime. Cast in launch. At 7 45 m. made Int 5456. Flagship answered 904. Launch fast to, a bowline.

A. Pennington
Ensign U.S.N.

From 8 A.M. to Meridian
Clear & pleasant. Light airs from East to S.E. At 9.30 went to quarters for inspection & drilled the gun divisions at great gun drill. The Marines had bayonet exercise. At 10.00 a Summary Court Martial convened on board. At 11.00 the Court adjourned to await the reviewing authority. Received official visit from the Captain of the Russian man-of-war "Rynda". Cleared in launch, starboard chain on top.

F. A. Lewis
Naval Cadet U.S.N.

From Meridian to 4 P.M.
Partly clear with cirro cumulus clouds. Bright & warm. Light breeze from S.E. 1st part South afterwards. At 2.00, made Int. 4826. Flagship answered 964. Finished Drill.

A. Pennington
Ensign U.S.N.

From 4 to 8 P.M.
Clear & pleasant. Light Sly breeze. Received 1 barrel of limes in Equipment Department. Cleared Launch.

F. A. Lewis
Naval Cadet U.S.N.

From 8 P.M. to Midnight
Partly clear with cirro stratus clouds. Hazy last hour. Bright starlight. Moon rose at 8.50. Light airs to breeze from S.S.E. No tides. Open launch.

A. Pennington
Ensign U.S.N.

Examined and found to be correct.

E. D. Galloway Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Yokohama.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S. E. by S.	S. S. W.	1			29.89	34	140			b. cu.	cu. cum	4	S
1				E. by N.	Calm	0			29.89	34	240			"	"	4	"
2				N. W. by N.	North	1			29.90	34	169			"	"	1	"
3				North	Calm	0			29.90	34	069			b. cf.	"	8	"
4				N. by W.	"	0			29.92	34	069			"	"	3	"
5				"	"	0			29.93	34	069			v. cf.	cum. nimb.	0	"
6				N. W.	N. W.	1			29.94	34	069			"	"	0	"
7				N. W. by N.	"	1			29.96	34	069			"	"	0	"
8				North	East	1			29.95	34	140			b. cum.	"	0	"
9				E. N. E.	E. S. E.	1			29.90	34	240			"	cir. cum.	4	"
10				E. S. E.	"	1			29.90	34	341			"	"	5	"
11				S. E.	"	1			29.94	36	242			"	"	6	"
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water ———— during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2400 "

Coal consumed during the preceding 24 hours, tons 2160 lbs.

Coal remaining on hand at Noon, 101 " 931 "

P. M.										
1	S. E. by S.	S. E.	2	29.94	46	542	h. cum.	cu. cum.	4	S
2	S. by E.	S. S. E.	2	29.93	45	543	"	"	4	"
3	S. by E.	S. S. E.	2	29.91	48	643	"	"	3	"
4	S.	S. by W.	2	29.90	48	643	"	"	3	"
5	S. by W.	S. W.	2	29.88	48	443	"	"	5	"
6	S. S. W.	"	2	29.88	48	643	"	"	5	"
7	S.	"	2	29.88	46	542	"	"	6	"
8	S. by W.	"	2	29.87	45	441	"	"	5	"
9	S. S. W.	"	1	29.86	46	342	b. cum.	"	4	"
10	S. W. by S.	S. W.	2-3	29.86	46	341	"	"	7	"
11	S. by W.	S. S. W.	3	29.86	46	441	"	"	5	"
Mid.										

under the command of Commander T. F. Jewell, U. S. Navy,

Friday July 8th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M.

Partly clear. Foggy last hour. Light airs from S. S.W. & West with calms.

W.B. Hoggatt
Ensign U. S.N.

From 4 to 8 A.M.

Overcast with cumulus clouds. Calms & light airs from N.W. Slight fog. Cleaned bilges forward & aft. Pumped ship out. Square yards. Crew in hammocks, port chain on top.

F.A. Lewis
Naval Cadet U.S.N.

From 8 A.M. to Meridian

Bright & warm with cir cum clouds. Hazy. Light airs from East & E.S.E. No apparent tides. At 9.30 went to quarters for inspection after which drilled as follows. 1st Div Single Sticks, 2nd Mar. Small arms, 3rd Machine Guns, Pos'n drill at Stations & Marines at Skirmish Drill. Absent without leave L. F. Dunne, Ldg. At end of watch clear hawse.

H.C. Lowthorp Stone
Ensign U.S.N.

From Meridian to 4 P.M.

Fair & warm. Hazy. Light breeze from S. & E. The Canadian Pacific Steamship Abyssinia arrived from Victoria B.C.; sent boarding officer on board. Received official visit from Captain of Russian man-of-war. "Vitiaz". Clear hawse.

F.A. Lewis
Naval Cadet U.S.N.

From 4 to 8 P.M.

Partly clear with cir cum clouds. Hazy. Light breeze from S. & W. No tides. English fleet of 7 vessels left the harbor at 4.30. Made International signal F.G. S.W. which English Flagship answered with R.S.J. at 6.15, went to Five Quarters of Streams peaked in 1m 45s. Absent without leave L. F. Dunne, Ldg. Clear hawse.

H.C. Lowthorp Stone
Ensign U.S.N.

From 8 P.M. to Midnight

Generally clear, hazy & squally. Light airs to moderate breeze from S.W. & S.S.W. Clear hawse.

W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

A.D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S. by W.	South	3			29.86	45	47	41		b.c.g.	cir cum	2	S
1				South	"	3			29.85	45	47	41		b,c	"	2	"
2				S. by W.	"	3			29.83	45	47	41		"	"	2	"
3				S. W.	"	3			29.82	45	47	40		"	"	2	"
4				S. W.	S.W.	3			29.82	45	48	40		"	"	4	"
5				West	West	1			29.84	45	47	41		"	"	1	"
6				N.W.	Calm	0			29.86	44	43	42		"	"	2	"
7				N.W. by N.	"	0			29.85	45	44	43		"	"	2	"
8				N.N.W.	"	0			29.86	44	45	43		b.c.g.	"	5	"
9				S. W.	South	1			29.86	44	45	43		"	"	4	"
10				S. W.	"	1			29.86	45	45	43		"	"	6	"
11				S. S. E.	"	1			29.86	45	45	43		"	"	6	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 25 "

Water remaining on hand fit for use at Noon, 2025 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 100 " 1941 "

P. M.													
1		S. E. by S.	South	1		29.84	79	72	64	b.c.w.	cir cum	5	S
2				1		29.84	80	78	65	"	"	5	"
3		S. S. E.	S. S. E.	2		29.83	81	79	65	"	"	5	"
4		S. E. by S.		2		29.82	80	78	65	"	"	5	"
5		S. E.	S. E.	2		29.80	80	78	65	b.c.g.	"	4	"
6		S. E. by S.	"	2		29.80	80	78	65	"	"	4	"
7		"	"	1-2		29.80	80	78	65	"	cum	4	"
8		"	S. E. by S.	1		29.80	78	76	64	"	"	6	"
9		W. S. W.	S. S. W.	1		29.81	78	76	65	b.c.	cir cum	2	"
10		W. by N.	"	1		29.81	74	75	64	b.cu.	"	3	"
11		W. N. W.	Calm	0		29.81	74	74	64	b.cu.	cu mu	10	"
Mid.		N. W.	"	0		29.81	74	74	64	b.cu.	cir cum	8	"

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday July 9th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unfit A. M.
Cloudy. Gentle breeze from South. Clear Canvas.

From 4 to 8 A. M.
Clear and pleasant. ~~Moderate to~~ Light ~~Airs~~ from ~~S.E.~~ West first ~~part~~, calm afterwards.

A. F. Leighton
Lieut U. S. N.

H. C. Foundstone
Ensign U. S. N.

From 8 A. M. to Meridian
Generally clear. Hazy. Calms and light airs from South. At 9.30 Flagship made signal 10, 7. Aired bedding. P. C. M. went on board the "Pilot" at 10:10. Received one set of grate bars for steam cutter. 2 F. Summers, absent without leave. Commenced distilling.

W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P. M.
Generally clear. Warm. Light breeze from South and S. E. Received on board 18 Gals Tar and 9 Lamp Globes. Clear Canvas.

A. F. Leighton
Lieut U. S. N.

From 4 to 8 P. M.
Generally clear, hazy. Light airs and breeze from S. E. and S. at 6:15 Quartered at quarters, absent without leave 2 F. Summers. Clear Canvas. Distilling.

W. B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight
Generally clear and pleasant. Calms and light variable airs. Cross in Canvas

A. F. Leighton
Lieut U. S. N

Examined and found to be correct.

D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				N.W.	Calm	0			29.81	48	54	54		o.c.	cum nim	0	S
1				W.N.W.	"	0			29.80	47	54	54		"	"	0	"
2				N.W.by.W.	"	0			29.80	47	54	54		"	"	0	"
3				S.S.E.	"	0			29.80	47	56	55		"	"	0	"
4				"	"	0			29.80	47	54	54		b.c.	"	1	"
5				S.E.by.S.	"	0			29.80	47	54	54		b.c.	cir cum	3	"
6				"	"	0			29.80	47	54	54		"	"	4	"
7				"	"	0			29.83	47	54	54		"	"	4	"
8				"	"	0			29.85	48	56	55		"	"	4	"
[illegible]				N.N.W.	"	0			29.85	48	56	56		b.c.	"	6	"
10				"	"	0			29.85	48	54	54		"	"	4	"
11				N.W.	S.E. by E.	0-1			29.84	48	54	54		"	"	6	"
Noon.				"	"	0-1			29.83	48	48	46		"	"	4	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 1075 "

Water remaining on hand fit for use at Noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons 80 lbs.

Coal remaining on hand at Noon, 99 " 1891 "

P. M.									
1	S.W.	S.E.by.E.	2	29.83	81	80	44	b.c. cir cum	S
2	S.E.by.E.	"	2	29.82	82	81	44	" "	4 "
3	S.E.by.S.	"	2	29.82	82	81	48	" "	5 "
4	"	"	2	29.81	82	81	48	" "	4 "
5	S.S.E.	S.E.	2	29.80	80	79	46	" "	4 "
6	S.by.E.	S.by.E.	2	29.79	80	79	45	" "	2 "
7	"	"	2	29.78	79	78	44	" "	2 "
8	S.by.W.	Calm	0	29.79	79	78	45	" "	4 "
9	N.W.by.N.	N.W.	1	29.80	79	78	45	b.c. cir cum	4 "
10	N.by.E.	N.N.E.	3	29.82	74	74	53	" "	8 "
11	N.W.by.N.	Calm	2	29.83	76	74	52	" "	2 "
Mid.	"	N.N.W.	2	29.83	76	74	42	o.c. cum nim	0 "

under the command of Commander T. F. Jewell, U. S. Navy,

Sunday July 10th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast and cloudy. Calm. Clear Ladder.

T. J. Toomey,
Ensign U. S.N.

From 4 to 8 A.M.
Generally clear warm and hazy. Calm. At 4:30 Flag ship signaled II Div III Squad pow pennant 6 numerals 31 Prog apprs 0 43.

From 8 A.M. to Meridian
E. W. B. Taggett
Ensign U. S.N.
Clear and warm. Calm and light airs from S.E. by E. At 9:30 inspected at quarters. Cross in Ladder, port chain on top.

From Meridian to 4 P.M.
A. F. Fechteler
Lieut U. S.N.
Fair and warm weather. Light breeze from S.E. by E. Cirrus clouds. At 12:50 made Gen Signal 4560 Int and at 1:20 Gen Signal Int 6182 at 1:00 started fires in boilers Nos 2, 4, 5, 6 & 8. Relieved Div Officer relieved D. L. Murray, R.M. and A. Spain Wtst. Making preparations for sea. Hove into 15 fms Starboard chain. Clear Ladder.

T. J. Toomey
Ensign U. S.N.

From 4 to 8 P.M.
Partially cloudy. Warm and sultry. Occasional lightning to N. Light breeze from S.E. and S. by E. Mak preparations for sea. At 6 to quarters and cleared battery for sea. Unmoored ship, heaving up port anchor & steaming with 30 fms on Starboard chain. The United States Marshal brought on board, L. F. Dumas, Ldg. Paid ten yen to the Marshal.

A. F. Fechteler
Lieut U. S.N.

From 8 P.M. to Midnight
Clear first part, clouding over last part. Light to moderate breeze from N.E. by E. Scattering.

T. J. Toomey.
Ensign U. S.N.

Examined and found to be correct.

E. D. Galloway Lieut G.M.
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Yokohama.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				E.b.S.													
1			49.3	E.by.S.	N.W.	1			29.83	46	44	43		b.cir.	strato	0	S
2	10	6	54.2	E.by.S.	"	1			29.82	46	45	42		"	"	0	"
	0	4	58.2	E.by.S.													
3	2	8	62.6	S.S.W.½W.	"	2			29.81	45	44	42		"	"	0	"
Squan 1012	2	1	66.4														
4	1	6	68.6	S.W.b.W.	"	2			29.81	45	44	42		b.cir.	cir.cum	4	"
5	8	6	89.5	"	West	1			29.82	43	44	42	41	"	"	5	"
Lat. N. 35°00' Long 139°32'20 Square 1034																	
6	9	1	98.6	"	S.W.	1			29.85	46	43	42	42	"	"	3	"
7	8	9	101.5	"	"	1			29.86	45	44	42	42	"	"	1	"
8	9	2	10.7	"	"	1			29.86	45	45	42	42	"	"	1	"
9	9	1	19.8	"	W.b.S.	2			29.84	46	44	42	42	"	cumu	2	"
10	4	9	28.7	W.½S.	"	2			29.88	45	45	43	42	b.cir.	"	0	"
11	9	0	37.7	"	"	2			29.89	45	45	43	45	"	"	0	"
Noon.	9	3	47.0	"	"	2			29.89	46	45	45	45	b.c	"	0	"

Course and distance made good since preceding noon by observations, S 48 W. 86 knots. tenths.
PL 97

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. from bearing of Rock Id Light E 138 ° 21 ' 40 "
- Latitude by observations of ⊙ N 34 ° 29 ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by DR N 34 ° 04 "
- Longitude by ~~D R.~~ E 136 ° 58 "

Current during the time, Tidal knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at Noon, 2450 "

Coal consumed during the preceding 24 hours, 11 tons 240 lbs.

Coal remaining on hand at Noon, 88 " 1651 "

P. M.												
1	9	5	57.4	W.½S.	S.W.b.W.	2	29.84	45	44	42	45	b.c. circum	6	S
2	9	0	66.5	W.SW.½W.	"	2	29.86	80	44	42	45	"	6	"
3	9	3	75.8	"	"	2	29.85	80	44	42	45	b.cir.	2	"
4	9	0	84.8	"	"	2	29.85	80	44	42	45	"	2	"
5	9	1	93.9	"	S.W.½S.	3	29.86	80	44	42	46	cir.	0	"
6	9	0	102.9	"	S.SW.	3-4	29.85	45	44	42	46	"	0	"
7	9	5	12.4	"	SW.	1	29.85	80	44	42	46	b.c.	0	"
8	9	2	21.6	"	W.SW.	1	29.85	80	44	42	46	b.c.	3	"
9	9	8	30.5	SW.½W.½W.	SW.b.W.	2	29.85	45	44	42	46	"	2	"
10	8	8	39.1	"	"	3	29.85	45	44	42	46	"	4	"
11	8	1	47.2	"	"	3	29.84	45	44	42	46	"	4	"
Mid.	8	1	55.3	"	"	3	29.84	45	44	42	46	"	3	"

under the command of Commander T. F. Jewell, U. S. Navy,

Monday July 11th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A.M.

Cloudy with streaks of cir-cumu clouds. Bright starlight at times. Moon showing last hour. Hazy. Light airs to brisk from N.W. Sea smooth. At 12m called all hands up anchor. Got underway at 12m & stood out of Yoda Bay in charge of Mid'p Officer. Changed course from S.E. ¾ S. to S.W. ½ W. to conform to channel, latter being course at end of watch. Under steam alone. At end of watch Kuwan Lt. bore (p.c.) N.N.E. ⅛ E., Tsuruga Lt. N.W. ½ W. Draft of ship fwd 15 ft. aft 16 ft.

A.C. Saunderson
Ensign U.S.N.

From 4 to 8 A.M.

Partly clear. Hazy. Light airs from West & S.W. Steaming with eight boilers. Smooth sea. At end of watch mainland in sight on starboard hand. Nyock end Dries Id bore (p.c.) N.E. by E. ⅛ E., Tsuruga S.E., Ships Head S.W. ½ W.

W.B. Hoggatt
Ensign U.S.N.

From 8 A.M. to Meridian

Generally cloudy & slightly misty. Light breeze from W. by S. At 9.40 took departure Rock Id Light bearing E.N.E. distant 4 miles. At 9.30 beat to general quarters & examined. Under steam alone, eight boilers.

A.F. Dechaux
Lieut U.S.N.

From Meridian to 4 P.M.

Fair to cloudy weather. Hazy around horizon. Light breeze from S.W. by W. Steaming course W. ½ S. Variation 1° to when changed course to W.S.W. ½ W. Land on starboard hand first part of watch. At 1.40 Lake Omai Saki Light bore N. 34° E. (p.c.). Ex-hauled 66 fms 2¾" hemp rope. Patent Log read 108 at end of watch.

F. Boone
Ensign U.S.N.

From 4 to 6 P.M.

Partly clear with light rain at intervals. Cirro-cumulus clouds. Light to gentle breeze from S.W. by S. 1st hour gentle to moderate S.S.W. breeze last hour. Smooth sea. Under steam alone till 5h, when set fore & aft sail. Two junks in sight at end of watch. On course W.S.W. ½ W.

H.G. Towngate
Ensign U.S.N.

From 6 to 8 P.M.

Cloudy. Light rain at intervals first half hour. Light airs from S.W. & W.S.W. Took in fore & aft sail at 6.30. High land in sight on starboard beam first hour observed last hour. On course W.S.W. ½ W. By order of Mid'p Officer released T. Denton, Sea, from confinement.

W.B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight.

Generally cloudy. Light to gentle breeze from S.S.W. by W. Course S.W. by W. ¼ W.

A.F. Dechaux
Lieut U.S.N.

Examined and found to be correct.

E.D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Seamaking passage to Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	5	63.8	S.W.by.W.1/4.W.	S.W.by.W.	3			29.8	74	78	74	74	b.c.	mist	0	S
2	8	4	72.5	"	"	3			29.8	74	78	74	74	b.c.	"	0	"
3	8	6	81.8	"	"	3			29.8	74	78	74	74	"	"	0	"
4	2	1	83.2	W.by.W.1/2.W. W.1/2.S.	"	2-3			29.8	74	78	74	74	"	"	0	"
5	8	5	98.2	"	"	2-3			29.8	64	78	74	74	b.c.r.	"	0	"
6	9	0	107.2	"	S.by.E.	3-4			29.8	54	74	64	74	"	"	0	"
7	6	3	113.5	W.by.W.1/4.W.	S.S.E.	4-5			29.8	34	76	74	74	"	"	0	"
8	2	8	116.3	"	S.S.E.-S.W.by.S.	5-4			29.8	24	78	74	74	"	"	0	"
9	4	0	29.8	"	S.W.by.S.	4-5			29.8	04	74	64	74	"	"	0	"
10	5	4	35.2	N.W.1/2.W.	S.W.	4-5			29.7	84	84	64	74	"	"	0	"
11	9	6	35.8	N.W.by.N.	"	4-5			29.7	84	84	64	74	"	"	0	"
Noon.	10	5	45.3	"	"	4-6			29.7	44	84	64	74	"	"	0	"
	5	5	55.8	"	"	4-5			29.7	34	74	64	74	b.c.	"	0	"
	5	5	61.3	"	"	4-5			29.7	34	74	64	74	b.c.q.	cir.cumm	4	"
	2	0	63.5	N. 1/2.W.	"	4-5			29.7	34	74	64	74	b.c.q.	cir.cumm	4	"

Course and distance made good since preceding noon by ~~observations~~ Bearings, 22 1 knots tenths.

Position at Noon:
- Latitude by ~~D. R.~~ Bearings: N 33 ° 59 ' "
- Longitude by ~~D. R.~~ Bearings: E 135 ° 02 ' "
- Latitude by observations of ⊙: ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙: ° ' "

Position at 8 a. m.
- Latitude by Bearings: N 33 ° 24 ' "
- Longitude by " : E 135 ° 32 ' "

Position at 8 P. M.
- Latitude by " : N 34 ° 20 ' "
- Longitude by " : E 134 ° 25 ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water ———— during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 21700 "

Coal consumed during the preceding 24 hours, 9 tons 1040 lbs.

Coal remaining on hand at Noon, 69 " 611 "

P. M.	8	3	26.8	N. 3/4.W.	N.W.	2			29.7	14	74	74	74	b.c.q.	cir.cumm	4	N
1	2	0	28.8	N 1/2. W.	"	"			29.7	14	74	74	74	"	"	4	"
	2	5	31.4	N 1/2. W.	North	1-2			29.7	14	74	74	74	b.c.	"	6	"
2			33.4	N. by. E. 1/4. E.	"	"			29.7	14	74	64	74	"	"	6	"
3	Rounding North end of Awa Sji				N.N.E.	1			29.7	14	74	64	74	"	"	6	"
4		Stood		W. 1/2. S.	W.by.W.	1-2			29.7	08	74	64	74	"	"	2	"
5	9	2	16.3	W.by.W.	S.W.	2			29.7	04	84	74	74	"	cum.nimb	1	"
6	8	9	25.2	"	W.by.W.	2			29.7	24	74	74	74	b.c.q.	"	1	"
7	9	5	34.7	"	"	1-2			29.7	24	74	74	74	"	cum.str.nimb	1	"
8	9	3	44.0	"	West	1-2			29.7	64	74	64	74	b.cum.	"	1	"
	3	5	47.5	"	"	"			29.7	54	74	64	74	"	"	1	"
9	at Anchor			North	N.W.	1			29.7	54	74	74	74	b.c.	cum.nimb	2	"
10				E.N.E.	S.E.	1			29.7	54	74	74	74	"	"	3	"
11				E.S.E.	"	1			29.7	64	74	74	74	"	"	5	"
Mid.				E. by. S.	E. by. S.	1			29.7	64	74	74	74	"	"	3	"

Lat N 34.38
Long E 135 1033

under the command of Commander T. F. Jewell, U. S. Navy,

Tuesday July 12th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A.M.

Overcast with drizzling rain. Fresh breeze from S.W. by W. Smooth sea. At end of watch sighted Oö Sima Light bearing W. ½ N. (pc). At 3.15 changed course to W. S.W. ½ W. and at 4. changed course to W. ½ S.

T. Toomey
Ensign U. S. N.

From 4 to 8 A.M.

Overcast with mists and clouds. Continual rain, very heavy fall of rain latter part. Smooth to moderate sea. Light to moderate breeze from S.W. by W. first part shifting to S.S.E with moderate squalls 2d hour, in moderate to stiff breeze hauling last hour to S.W. by S. At 6.30 set fore and aft sail and at 6.45 foresail. Took in and furled all sail at 7.30. High land in sight on starboard beam like 7.30, when lost it. at 6.50, sighted Suvo-misaki Lt House bearing (pc) about N.W. At 6.56, Suvo-misaki Lt House bore (pc) N.W. ¼ N. at 6.4, changed course to W.N.W. ½ W. P.L. 13.5. at end of watch, under steam alone, on course W.N.W. ½ W.

H. C. Young 2d Engr
Ensign U. S. N.

From 8 A.M. to Meridian

Overcast, raining, squalls, thick at times during first three hours clearing last hour. Moderate breeze to fresh squalls from S.W. by S. and S.W. At 8.46 changed course to N.W. ½ W, at 9.05 to N.W. by N, at 11.19 to N. ¼ W. At 8. went fore and aft sail. At 8.32 set foresail and at 11.40 set fore topsail. At end of watch on course N. ¼ W. Land in sight on starboard beam and Hood and Port bred.

W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P.M.

Weather pleasant. Cloudy at first, clearing latter half of watch. Light variable airs. Set topsails at 12.10 and took in all sail at 1.30. At 1.37 Tawaujai Light (Inami Strait) bore (pc) E. ¼ N. changed course to N. by E. ¼ E. At 3.10 stood around Northern end of Awaji Island through Akashi Strait. At 3.00 Akashi Lt bore (pc) S. S.W. ½ W. distant ½ mile. Course W.N.W.

L. A. Jeffers
Lieut U. S. N.

From 4 to 6 P.M.

Cloudy with drizzling rain. Light breeze from S.W. and W.S.W. at 4.00 changed course from W. by S. to W.S.W. At 4.05 White Fort bore E.N.E. (pc) and Akashi Lt Fort (pc).

T. Toomey
Ensign U. S. N

From 6 to 8 P.M.

Cloudy with passing showers 1st hour. Misty afterwards. Clouds cum. str. and mist. Light airs to breeze from W.S.W. to West. Smooth sea. On course W.S.W. under steam alone. Standing in for an anchorage at end of watch. At 8 o'c called all hands bring ship to anchor.

H. C. Young 2d Engr
Ensign U. S. N.

From 8 P.M. to Midnight

Partly clear. Light airs from N.W, S.E and E. by S. At 8.31 came to anchor in Tsuda Bay with stbd anchor in 8 fms water, sticky bottom 4 5 fms chain. Banked fires. Bearings at anchorage (pc) Oda Pt N.W. ¼ W. South Bluff N.N.W. ½ W. Draft of ship, fwd 13'8", aft 15'10". Moon rose at 1.35.

W. B. Hoggatt
Ensign U. S. N.

Examined and found to be correct.

D. D. Gallaher
Lieut U. S. N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				E by S.	Calm	0			29.44	44	45	45	45	b.cu.	ac cum	7	S
1					"	0			29.44	44	45	45	45			5	"
2					"	0			29.44	44	45	45	45		"	5	"
3					"	0			29.44	44	45	45	45	b.c.	"	4	"
4			445	S by E.	"	0			29.46	44	45	45	45	b.cu.	"	3	"
5	7	8	55.3	N. by W. 1/2 W. N.W. by W. 1/2 W.	West	1			29.44	46	45	43	44	b.c.	cu. str	3	"
6	9	3	64.6	N.W. by W. W. by N.	"	1			29.80	46	45	44	44	"	"	1	"
7	9	4	74.0	W. by S. W. by S.	"	1			29.81	46	46	43	44	b.c.	"	0	"
8	7	0	81.0	W. by S.	"	1			29.83	46	45	43	44	"	"	0	"
9	9	0	90.0	W. by W. 3/4 W.	"	1			29.85	48	44	45	44	b.cu.	"	0	"
10	9	2	99.2	W. by N.	S"SW	2			29.86	48	46	44	44	b.c.	cu nim	1	"
11	9	0	8.2	W. N. W.	"	1			29.86	49	49	49	44	"	"	1	"
Noon.	10	1	18.3	S W. by S.	"	2			29.84	49	48	44	44	"	"	1	"

Course and distance made good since preceding noon by observations, PL 149 knots. 8 tenths.

Position at Noon:
- Latitude by ~~D. R.~~ Bearings 33 ° 19 ' "
- Longitude by ~~D. R.~~ Bearings 133 ° 00 ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ' "

Water expended during the preceding 24 hours, 350 gallons.

Water ———— during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2150 "

Coal consumed during the preceding 24 hours, 14 tons 340 lbs.

Coal remaining on hand at Noon, 55 " 341 "

P. M.													
1	9	0	27.3	S.W. by S.	S. S.W.	2		29.86	80	49	44	b.cy. cu cum	5	S
2	2	5	29.8	S.W. 1/4 S.	W. S.W.	2		29.85	46	44	42	" "	6	"
	7	0	36.8											
3	6	6	43.4	S.W. 1/4 W.	S.W.	1		29.85	48	46	43	" "	6	"
	3	1	46.5											
4	4	8	50.3	S.W. 1/2 W.	"	1		29.85	48	46	44	" "	3	"
	7	4	57.7											
5	2	1	58.8	S.W. by W.	Calm	0		29.85	49	44	44	b.c. "	5	"
	4	3	61.1	S.W. by W. 1/2 W.										
	6	2	63.3	W. S.W. 1/4 W.										
	1	2	65.1	W. by S.										
6	8	3	76.4	"	"	0		29.85	49	46	44	b.c. "	0	"
7	4	4	81.1	W. N. W. 1/2 W.	"	0		29.89	49	46	44	" "	0	"
	4	3	85.1	W. N. W. 1/2 W.										
8	0	4	95.6	W. N. W. 1/2 W.	"	0		29.89	49	44	45	b.c. "	0	"
	9	1	96.5											
9	8	6	104.2	"	"	0		29.88	44	46	45	o.c. "	0	"
	0	7	104.9	W. by N.										
10	9	3	114.2	"	W. N. W.	2		29.84	49	48	45	" cu nim	0	"
11	9	3	123.5	"	N. W.	2		29.85	48	44	45	o.c. "	1	"
Mid.	1	4	129	N. W. 1/2 W.	"	2		29.85	48	44	45	o.c. "	0	"
	8	0	132.9											

under the command of Commander T. F. Jewell, U. S. Navy,
Wednesday July 13th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A.M.

Calm. Very heavy fog. Generally clear at first then cloudy. At 3.30 spread fires & turned over engines. At 3.40 called all hands & got underway. Draft 13'4" & 15'4"

L. A. Lemmon
Lieut U. S. N.

From 4 to 8 A.M.

Fair first hour, cloudy remainder of watch. Foggy. Light airs from W. At 4.05 fast over P.L. reading 4 1/2°. Captain & Navigator at the Conn. Steaming through Inland Sea. At end of watch Yo Saki Light bore E. N. E. 1/2 E. & P.L. registered 8 1/2°. By order of Commdg Officer

T. Toomey
Ensign U. S. N.

Lieut J. A. Andrews Sr. Assistant Surgeon reports for duty & for accounting U. S. Pay Corps.

From 8 A.M. to Meridian.

Cloudy, hazy 1st hour. Warm. Clouds circumscribed. Light airs to breeze from West 1st part, S. S. W. latter part. Steaming thro' St Vincent Channel Binja Naka & Mekaie Seto, Inland Sea. Changing course frequently to keep channel. Commanding Officer coming ship. Under steam alone. At 8h 17m Pin foot Rock was abeam. At 9h 30m A.M. went to quarters for inspection after which fired as follows 1st & 2d Div Great Guns, 3d Div Machine Guns, Marine Guard, Bayonet Exercise. At end of watch in Aroji Seto between Oseki Sima & Omi Sima.

H. C. Saunderson
Ensign U. S. N.

From Meridian to 4 P.M.

Partly clear, hazy. Light breeze & airs from S. S. W. to W. S. W. Steaming through Inland Sea. Commdg Officer & Navigator at the Conn. At 2:20 called all hands to muster & read sentences of S. C. M. in the case of James Corbett, Sea 2 C., sentenced to 30 days solitary confinement in double irons, and Charles M. Dolan, Sea 2 C. 15 days solitary confinement in double irons & to three months extra Police duty. Confined them in conformity with the sentences. At end of watch Tsuna Sima Lt House bore (pc) E. N. E. 3/4 E. Shiba Head S. W. by W.

W. B. Haggard
Ensign U. S. N.

From 4 to 6 P.M.

Calm. Partially cloudy first hour. Overcast & cloudy last. Steaming through Inland Sea. Passed Yu Sima & Komunai Is. At 6:4 Sima 2 bow 2 3/4 P. Course W. by S.

L. A. Lemmon
Lieut U. S. N.

From 6 to 8 P.M.

Overcast, passing showers last hour. Calm. Course W. by S. until 6.30 when changed to W. N. W. 1/2 W. At end of watch Sima Sima bore 1 1/2 points on port bow. Navigator at the Conn.

T. Toomey
Ensign U. S. N.

From 8 P.M. to Midnight

Generally overcast with calm & small clouds. Drizzling rain except during 3d hour of watch. Thick weather with horizon obscured, at times. Land in sight on starboard hand throughout latter part of watch & on port hand after 11h. At 8h 05m Sima Sima bore abeam, changed course to W. by N. P.L. 14.2. At 11h 04m, eight Saki Lt bearing N. W. 3/4 W. Changed course to N. W. 1/2 W. P.L. 14.9 at 11h. At end of watch under steam alone on course N. W. 1/2 W. Steaming in for an anchorage.

H. C. Saunderson
Ensign U. S. N.

Examined and found to be correct.

D. L. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	2	8	25.7	N.W. ½ W.	N.W.	1			29.85	78	78	75		b.c.	cirrus	0	S.
2				S. S. E.	S. E.	1			29.85	78	78	75		"	"	0	"
3						1			29.85	78	78	75		"	"	0	"
4				S. E. by E.	E. by S. E.	1-3			29.84	78	76	74		" g	"	0	"
5				"	"	3			29.82	78	76	74		b.c.	cirrus	0	"
6	Standing through Linschoten					3			29.80	78	78	75		"	"	0	"
7	Strait				S. S. E.	3			29.83	78	78	75		"	"	0	"
8	5	3	41.4	W. 3/4 N.	"	3			29.82	78	78	75	75	"	"	0	"
	1	9	43.3	W. by W. ½ W.													
9	9	2	52.5	"	S. W.	3			29.81	78	78	75	75	"	"	0	"
10	3	1	55.6	W. by W. 3/4 W.	"	3-5			29.81	79	78	76	75	b.c.h.g.	"	2	"
	3	5	58.7														
	2	5	61.2	S.W. by W. ½ W.													
11	7	9	69.1	"	"	3-5			29.83	79	79	77	74	b.c.g.	"	5	"
Noon.	9	4	78.5	"	"	3-5			29.83	79	78	76	73	"	cirrus	2	"

Course and distance made good since preceding noon by observations, PL 159 knots. 2 tenths.

Position at Noon:
- Latitude by ~~D. R.~~ Bearings — N 33° 41' "
- Longitude by D. R. " — E 130° ' "
- Latitude by observations of ⊙ — ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — ° ' "

Position at 8 a. m.:
- Latitude by Bearings — N 34° 01' "
- Longitude by " — E 130° 40' 20"

Position at 8 P. M.:
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water _____ during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1800 "

Coal consumed during the preceding 24 hours, 17 tons 1930 lbs.

Coal remaining on hand at Noon, 37 " 681 "

Lat. N. 33° 41'

Long. E.	P. M.										
130		1	0	29.5	S. W. by W. ½ W.	S. W.	3-6	29.83	80 79 76 73	b.c.g.	Str. V cirrus	5	N
Square	1	3	0	32.5	W. by W. ½ W.								
1032		2	0	36.6									
	2	8	5	45.0	"	"	4-6	29.82	80 78 75 73	"	"	6	"
	3	8	4	2.4	"	S. W. by S.	4-6	29.81	80 78 75 74	"	"	6	"
		1	0	7.4	W. by W. 3/4 W.								
	4	3	6	11.8	S. W. by W.	"	5-4	29.81	80 79 76 74	"	"	6	"
		6	4	18.2									
	5	0	9	19.1	S. W. by S.	S. W.	4	29.79	79 78 76 74	b.c.	"	6	"
		1	8	20.9									
	6	5	9	26.8	S. S. W. ½ W.	"	4	29.79	79 77 75 74	"	"	6	"
	7	8	1	34.9	S. by W.	"	3-4	29.81	78 77 75 74	"	"	4	"
					S. by W. ½ W.								
	8	9	3	44.2	S. by W. 3/4 W.	"	3-4	29.82	79 77 76 75	"	"	6	"
					S. by S. W. ½ W.								
	9	6	8	51.0	"	"	3-5	29.82	78 77 76 74	"	"	5	"
		1	9	54.1	S. E. by S.	South							
	10	3	1	56.0	S. E. 3/4 S.	"	3-5	29.83	79 77 75 74	"	"	6	"
		4	1	59.4									
	11	0	6	65.5	S. by E.	"	3-5	29.83	79 77 76 74	"	cir cum	8	"
		0	6	71.3									
	Mid.				Standing in for anchorage	"	3	29.84	79 77 76 74	"	"	8	"

under the command of Commander T. F. Jewett, U. S. Navy,

Thursday July 14th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Meridian to 4 A.M.

Commences & Unites 4 A.M.

Overcast cloudy & raining. Squally last hour. Light airs from N. & E. & S.E. to gentle breeze in squalls from E. & S.E. last hour. At 12:05 called all hands & bring ship to, anchor & at 12:20 came to with stbd anchor in 6 fms, mud bottom. Veered to 30 fms, shackle forward of bitt. Bearings at anchorage (p.c.) Ships Head N.W. ½ W. Draft 13.4, 15.8.

W. B. Hoggatt
Ensign U.S.N.

From 8 A.M. to Noon

Overcast & cloudy with rain first hour & drizzling rain at intervals during watch. Fresh breeze from E.S.E. & S.S.E. At 5:06 got underway & stood for the entrance of the Simonoseki Strait. Entered the Strait at 5:30 steamed through & passed out at 7:-. At 7:45 fast over P.L. No 3 & took Inshalive Round Rock off Sima Sima bearing (p.c.) S. 3/4 E. Set course W.S.W. ½ W. at 7:30 set fore & aft sail, both sails & foresail. Draft 13.4, 15.8.

L. A. F. Jewett
Lieut U.S.N.

From 8 A.M. to Meridian

Cloudy with passing showers of rain first half, fair remainder of watch. Squally. Fresh to moderate breeze from S.W. Moderate sea. Course W.S.W. ½ W. until 9:40 when changed to W.S.W. 3/4 W. & at 9:50 to W.S.W. At noon Yetoshi Lt bore S.W. by W. 3/4 W. & Ono-no-Sima N. 6 7/8 W. P.L. No 7 5 at end of watch At 8:10 took in & furled all sail.

J. F. Toomes
Ensign U.S.N.

From Meridian to 4 P.M.

Partly clear with str. & fair cum. clouds. Bright & warm. Moderate to fresh breeze in squalls from S.W. & S.S.W. by S. At 12.08 changed course to W.S.W. P.L. 7 9 5. & at 12.20 to W.S.W. ¼ W. P.L. 8 2 5. at 12.45 Yetoshi Lt bore abeam, close aboard. At 2.50, lost sight of Yetoshi Lt bearing (p.c.) E. by E. 3/4 E. At 3.20 changed course to W.S.W. ½ W. P.L. 7 4 & at 3.55 to S.W. by W. P.L. 11 2. Isa Sima abeam which course steered to end of watch. Under steam alone. Moderate sea & swell from S.W. Ship pitching easily. Land in sight on starboard quarter & all along port side at end of watch.

H. C. Longstreet
Ensign U.S.N.

From 4 to 6 P.M.

Clear & pleasant. Moderate breeze from S.S.W. at 4.53 changed course to S.W. by S. P.L. 18 2. and at 5.15 to S.S.W. ½ W. P.L. 20 9. at end of watch Harada Sd on port beam. Sds in sight ahead and on stbd beam & bows. Moderate sea. Ship pitching easily.

W. B. Hoggatt
Ensign U.S.N.

From 6 to 8 P.M.

Generally clear & pleasant. Moderate breeze from S.S.W. at 6.13 changed course to S.S.W. P.L. 38 2. at 6.40 to S. by W. ¼ W. P.L. 30. at 7.- to S 3/4 E. P.L. 34 7. & at 7.20 to S by E. ½ E. P.L. 38 3. a number of Islands in sight. At 7.45 Saie Rock bore (p.c.) E.N.E. ¾ E.

L. A. F. Jewett
Lieut U.S.N.

From 8 P.M. to Midnight

Clear. Fresh to stiff breeze from South. Course S. by E. ¼ E until 9.20 then S.E. by S. then remainder of watch S.S.E. & S.E. courses steaming in for Nagasaki Harbour. At 9.15 sighted Nagasaki Lt bearing S.E. Captain at the comm.

J. F. Toomes
Ensign U.S.N.

Examined and found to be correct.

D. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Sea making passage to Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S.W. by S.	S.W. by S.	2			29.84	49	48	46		b.c.	cir-cum	8	S
1																	
2					"	3			29.84	49	49	46		"	"	3	"
3				S "S.W.	"	3			29.84	49	49	46		"	cum much	1	"
4				S.W.	S"W.	3-5			29.84	48	49	44		b.cy.	"	1	"
5				"	"	3			29.86	48	49	44		b.c.	"	0	"
6				"	"	3			29.89	48	49	44		"	"	0	"
7				S.W. by S	"	3			29.89	49	48	44		"	"	0	"
8				S.W.	"	3			29.88	49	48	44		b.c.	"	1	"
9				S.W. by S	"	3			29.88	49	48	44		"	"	1	"
10				S.W.	"	3			29.88	48	48	44		"	"	1	"
11				S.W. by W	"	2			29.89	48	48	44		"	"	0	"
Noon.				S.W. by S.	"	3			29.89	48	48	44		"	"	0	"

Course and distance made good since preceding noon by observations, PL 120 knots. 0 tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1450 "

Coal consumed during the preceding 24 hours, 10 tons 695 lbs.

Coal remaining on hand at Noon, 26 " 2226 "

P. M.									
1	S.W.	S.W.	2	29.90	48	48	0.c.	cum much	0 S
2	West	W. by S.	2	29.90	48	48	"	"	0 "
3	S.S.W.		2	29.90	48	49	"	"	0 "
4	S.W.	S"W.	2	29.90	48	49	"	"	0 "
5	"	"	1	29.89	48	49	"	cum much	0 "
6	"	"	1	29.89	48	48	"	"	0 "
7	West	"	1	29.89	48	48	"	"	0 "
8	"	"	0-1	29.89	48	48	"	"	0 "
9	"	Calm	0	29.90	48	48	o.c.	"	0 "
10	S.W. by W.	"	0	29.90	48	48	o.c.	cum much	0 "
11	W. by N.	"	0	29.90	48	48	o.c.	"	0 "
Mid.	S.W. by W.	"	0	29.90	48	48	"	"	0 "

under the command of Commander T. F. Jewell, U. S. Navy,

Friday July 15th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Partly clear with cirrus and nimbi clouds. Moon shining, occasionally hidden by part. Gentle breeze from S.W. by S. until last hour when wind came out S.W. with gentle to stiff breeze in squalls. Stood into Nagasaki Harbor and came to at 12.18 with port anchor in 8 fms water veering to 30 fms on port chain. Hauled fires in boilers 1, 2, 3 and 4 and banked remainder. Draft fwd 13.2", aft 15.4".

H. C. Saunders
Ensign U. S. N.

From 4 to 8 A. M.

Overcast and cloudy. Gentle breeze from S.W. At 5. exchanged numbers with U.S.S. "Marion" then made signal to "Marion" Dist 2 to 9. At 6.20 got underway to shift anchorage. At 6.50 let go port anchor and at 6.55 starboard anchor. Moored in 6 fms water, 30 fms on each chain. At 7.30 "Marion" made signal "Marines Distinguishing Pennant 22 Pennant 33. Hauled fires from boilers 5 and 7. Banked fires in 6 and 8. Bearings of anchorage: Ogami Pt. S.W.¼ S., Derrick (Akamura Steam Factory) S.W.¼ S., Ships Head S.S.W. Draft 13.2", 15.4".

W. B. Haggard
Ensign U. S. N.

From 8 A. M. to Meridian

Overcast and cloudy. Light to gentle breeze from S.W. Cleaned bilges. Hoisted out steam cutter. Sent an officer to pay the usual visit to the U. S. Consul, who came on board later. Received visit from an officer of Japanese man-of-war. At 10.30 a Summary Court Martial met on board for the trial of 2 coalmen (2 C. Appl.). At 11.30 the Court adjourned to await the action of the reviewing authority.

A. T. Long
Lieut U. S. N.

From Meridian to 4 P. M.

Overcast and cloudy. Light breeze from S.S.W. and W. by S. Clear horizon.

F. J. Boorman
Ensign U. S. N.

From 4 to 8 P. M.

Overcast and cloudy. Warm. Light air from S.W. Barometer steady. Clear horizon, riding to port chain.

F. A. Lewis
Naval Cadet U. S. N.

From 8 P. M. to Midnight

Overcast and cloudy with light passing showers at intervals. Calm. Clear horizon.

W. B. Haggard
Ensign U. S. N.

Examined and found to be correct.

D. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S.W. by S	S.W.	1			29.86	80	78			ocp	cumb	0	S.
1				S.S.W.	"	2			29.82	81	80	78		"	"	0	"
2				S.W.	"	2-3			29.82	81	79	78		o.c.	"	0	"
3				S.W. by S	"	3			29.82	80	79	78		o.c.	"	0	"
4				S.W.	"	2			29.83	80	79	78		o.c.	"	0	"
5				S.W. by S	"	2			29.84	80	79	78		bc	cir cumm cumb	2	"
6				S.W. by S	"	2			29.85	80	79	78		"	"	4	"
7				S.W.	"	2			29.84	81	80	78		"	"	6	"
8				S.W.	"	2			29.88	82	81	79		"	cir cumm	2	"
9				S.W. by S	"	2			29.84	82	82	80		"	"	2	"
10				S.W.	"	2			29.84	83	82	79		"	cumm	2	"
11				"	"	2			29.84	83	82	79		"	"	1	"
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 600 gallons.

Water ——— during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 850 "

Coal consumed during the preceding 24 hours, tons 1420 lbs.

Coal remaining on hand at Noon, 26 " 806 "

P. M.											
1	S.W. by S.	S.W.	2	29.89	83	82	80	bc	cir cumm	2	S.
2	"	"	2	29.84	85	83	80	"	"	4	"
3	"	"	3	29.84	85	83	80	"	"	5	"
4	"	"	3	29.86	85	83	80	"	"	3	"
5	S. S.W.	"	3	29.84	85	83	80	"	"	3	"
6	S.W. by S.	"	2	29.83	84	82	80	"	"	2	"
7	"	"	2	29.81	81	82	79	"	"	4	"
8	S. S.W.	"	2	29.81	81	82	79	"	"	3	"
9	S.W. by S	"	2	29.83	82	82	79	"	"	4	"
10	S.S.W.	"	2	29.83	82	81	79	oc	cumm cumb	0	"
11	S.W. by S.	"	2	29.84	82	81	79	"	"	0	"
Mid.	S.S.W.	S. S.W	2	29.83	82	81	79	bc	cir cumm	6	"

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday July 16th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A. M.

Overcast & cloudy with light drizzling rain at intervals. Light to gentle breeze from S.W. Clear hawse.

L.A.J. Fenton
Lieut U. S. N.

From 4 to 8 A. M.

Cloudy with light passing showers of rain first hour. Light breeze from S.W. at 5.30 Coal lighters came alongside & at 6.00 coolies began coaling ship. Clear hawse. Received 25 tons of coal on board at end of watch.

T. J. Toomis
Ensign U. S. N.

From 8 A. M. to Meridian.

Fair to cloudy weather. Light breeze from S.W. Coaling ship. Filled the bunkers at 12.00. Clear hawse, riding to port chain.

P.A. Lewis
Naval Cadet U. S. N.

From Meridian to 4 P.M.

Partly clear with cirro cumulo clouds. Bright & warm. Light to gentle breeze from S.W. Received from Nagasaki Prison Hospital R. Peterson Sea 2 & recovered from small-pox. Finished coaling at 3 P.M. Having received in all 1150 tons of which 25 tons was on deck. At 3.30 made Int 4826 Marion anchored 90 F. Furled sails. Transferred to U. S. S. Marion for transportation to the United States 2 Log Books July 1st 1886 to July 1st 1887 & one case of Specimens of Deep Sea Soundings. Clear hawse at end of watch. Coal lighters shoved off.

H.C. Poundstone.
Ensign U. S. N.

From 4 to 8 P. M.

Partly clear. Gentle to light breeze from S.W. At 5.10 exchanged numbers with U. S. S. Omaha. Sent an officer to make boarding call. Began distilling at 6.00. Went to quarters for muster, at 6.10. Finished. Officer left ship to pay official visit to Omaha.

W.B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight

Overcast & cloudy. Light breeze from S.W. Clear hawse. Distilling.

T. J. Toomis
Ensign U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S S W.	S S W.	2			29.838	81	79			b. c.	cum	6	S
1				"	"	2+			29.838	81	79			b. cy.	cum nimb	3	"
2				S W by S	"	2+			29.838	81	79			"	"	3	"
3				S S W.	"	2			29.838	81	79			"	"	3	"
4				"	"	2			29.808	81	79			b. c.	"	0	"
5				"	"	2			29.808	28	178			b. c.	cir cum	2	"
6				"	"	3			29.828	28	178			"	"	2	"
7				S W by S	"	3			29.858	28	178			"	"	2	"
8				"	S W by S	2			29.858	28	179			"	"	4	"
9				S by W.	S S W.	2			29.858	24	279			"	"	4	"
10				S W by S	"	2			29.858	24	279			"	"	4	"
11				S S W.	"	2			29.858	43	79			"	"	6	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 850 "

Water remaining on hand fit for use at Noon, 1100 "

Coal consumed during the preceding 24 hours, 1 tons 2070 lbs.

Coal remaining on hand at Noon, 139 " 976 "

P. M.										
1	S W by S	S S W.	2	29.858	48	380	b. c.	cum	1	S
2	S S W.	"	2	29.858	58	480	"	"	2	"
3	"	"	3	29.848	58	480	"	"	2	"
4	S W.	S W.	2	29.848	68	580	"	"	3	"
5	S S W.	"	1	29.848	68	581	"	"	4	"
6	S W.	"	1	29.838	68	581	"	"	4	"
7	Squall	"	1	29.838	48	581	"	"	4	"
8	S W.	"	1	29.828	38	248	"	"	4	"
9	S by E.	"	1	29.828	38	279	"	"	6	"
10	W by N.	Squall	0	29.838	38	148	"	"	8	"
11	W by S	S S W.	0-1	29.838	38	148	"	"	8	"
Mid.	S S W.	"	0-1	29.838	38	148	"	"	7	"

under the command of Commander T. F. Jewett, U. S. Navy,

Sunday July 17th, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A.M.

Fair to threatening weather. Squally. Light breeze from S.S.W. Clear hawse. Distilling.

D. A. Lewis
Asst Surg U.S.N.

From 4 to 8 A.M.

Overcast 1st hour with cumulus clouds, partly clear afterwards, clouds cirro cumulus. Light to gentle breeze from S.S.W. Clear hawse. Distilling.

A. C. Poundstone
Ensign U.S.N.

From 8 A.M. to Meridian

Partly clear, warm. Light breeze from S.S.W. & S.W. Went to quarters for inspection by Comd'g Officer at 9.30. At 9.32 started fires in boilers 1 & 3. At 10.45 stopped distilling, banked fires in boilers 6 & 8. At 11.40 hauled fires in boiler No 3 on account of leaky hand & hole plate. Held Divine Service. Clear Hawse.

W. B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.

Clear & warm. Light to gentle breeze from S.S.W. & S.W. At 1.00 exchanged numbers with the "Marion" which came in & moored. At 1.30 started fires in No 3 boiler. Clear hawse.

C. F. Deshon
Lieut U.S.N.

From 4 to 8 P.M.

Fair weather. Light airs to gentle breeze from S.W. Making preparations for Sea. Distilling.

F. J. Toomes
Ensign U.S.N.

From 8 P.M. to Midnight

Generally clear, bright & starlight; cumulus clouds. Calms & light variable airs. Secured boats for sea, except dinghy. Clear Hawse. Distilling.

H. C. Lomax
Ensign U.S.N.

Examined and found to be correct.

E. D. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the Harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.				S. by W.	South	1			29.83	28 1/2	8			b. c.	cir cum	7	S
1				"	"	1-2			29.82	28 1/2	8			"	"	3	"
2				"	"	2			29.12	28 1/2	8			"	"	3	"
3				"	"	1			29.82	28 1/2	8			"	"	5	"
4				S. by E.	S. E.	1			29.83	28 1/2	8			"	"	4	"
5				"	"	1			29.83	28 1/2	8			"	cum	2	"
6				W. by W. 1/2 W.	S. by W.	1			29.84	28 1/2	8			b. c.	cir cum	3	"
7				W. by W. 1/2 W.	South	3			29.84	30	29	29		"	"	3	"
8	5	8	46.0	"	"	3			29.80	30	29	29		b. c.	"	3	"
9	8	0	89.8	"	"	3			29.86	30	29	29	29	b. c.	cumul	3	"
10	8	4	98.5	"	"	3			29.85	30	29	29	29	b. c.	cumul	0	"
11	8	9	107.4	"	"	3			29.85	30	29	28	28	b. c.	cir cum	3	"
Noon.	7	3/4	117.0	West	"	3			29.85	31	29	28	28	b. c.	cir cum	3	"

Course and distance made good since preceding noon by ~~observations~~ DR, 41 knots.

Position at Noon: Latitude by D. R. N 32° 28' "; Longitude by D. R. E 129° 01' "; Latitude by observations of ⊙ ° ' "; Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "; Longitude by ° ' "

Position at 8 P. M.: Latitude by DR from Bearing 1.47 P.M. N 32° 38' "; Longitude by DR " " 1.47 " E 129° 43' "

Current during the time, knots .5 tenths per hour, setting to the ESE

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water distilled during the preceding 24 hours, 950 "

Water remaining on hand fit for use at Noon, 12500 "

Coal consumed during the preceding 24 hours, 6 tons 220 lbs.

Coal remaining on hand at Noon, 133 " 756 "

P. M.															
	2	9	19.9	West	S										
1	2	6	22.7	W. N. W. 3/4 W.	South	2-3	29.82	81	79	78	78	b. c.	cir cum	6	S
	6	0	26.4												
2	8	0	33.4	"	"	2-3	29.81	81	79	78	78	b. c.	"	4	"
3	2	9	41.6	"	"	3	29.81	81	80	79	78	"	"	4	"
4	8	2	50.3	"	"	3	29.80	81	80	79	79	"	"	5	"
5	8	9	59.2	"	"	3	29.78	81	80	79	79	"	"	6	"
6	8	3	67.5	"	"	2	29.77	81	80	79	79	"	"	8	"
7	8	6	76.1	"	"	2	29.79	81	80	79	79	"	"	4	"
8	8	3	84.4	"	"	2	29.79	81	80	79	79	"	"	4	"
9	8	1	92.5	"	"	2	29.79	81	80	79	78	"	"	8	"
10	8	0	1.5	"	"	2	29.79	81	80	79	78	"	"	8	"
11	8	3	8.8	"	"	2	29.80	81	80	79	78	"	"	8	"
Mid.	4	2	16.6	"	"	2	29.82	81	80	79	78	"	"	8	"

under the command of Commander T. F. Jewett, U. S. Navy,

Monday July 18th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A. M.

Generally cloudy. Warm. Light airs from South. At 3. on Starboard tack in two more bells.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 A. M.

Generally cloudy in Harbor. Light airs from S.E. & S. Outside gentle breeze from South. Occasional rain showers between 6 & 7. At 5. on Bower up Starboard anchor and in to 15 fms on Port chain. At 6.11 Got underway & steamed out of Harbor. At 6.05 made signal Nt 4890 to "Omaha". She answered 900. At 7. took departure from Punta Lima, Lapoapki Pt bearing S.S.E. 3/4 E. distant 3/4 mile. Set Course W.S.W. 1/2 W. P.L. 16. at 7.20 set F'm'a sail & Jibsail.

Lieut. A. F. Fechteler
Lieut U. S. N.

From 8. A. M. to Meridian

Cloudy weather with passing showers of rain. Fresh breeze from South At 10. Set T. Gallt Sails. Steering course W.S.W. & W. until 11.40 when changed to West. P.L. 295. 7. At end of watch land on lee bow. Distilling

J. Downing
Ensign U. S. N.

From Meridian to 4 P. M.

Partly clear with cir.-cum. clouds. Bright & warm. Light to gentle breeze from South. Smooth Sea, with moderate easy Swell from South. Ship steady. At 12 20, changed course to W. by N. P.L. 199 & at 12 40 to W.N.W. 1/4 W. P.L. 22 7. At 1 20 Sent up & set royals & J.t. At 3 0 Gobs Isd Lt House bore abeam (p.) N. by E. 1/4 E. distant 5 1/2 miles. At end of watch under steam & plain Sail to royals except mainsail, on course W.N.W. 3/4 W. Gobs Isd Lt. House bearing E.N.E. 1/4 E. Distilling

A. H. Gamewell
Ensign U. S. N.

From 4 to 6. P. M.

Clear bright & warm. Gentle to light breeze from South. At end of watch on course W.N.W. 3/4 W. under steam & plain Sail to royals except mainsail. Distilling

W. B. Hoggatt
Ensign U. S. N.

From 6. to 8. P. M.

Clear & warm. Light breeze from South. Under steam & all plain sail except mainsail. Course W.N.W. 3/4 W.

C. A. F. Fechteler
Lieut U. S. N.

From 8 P. M. to Midnight

Clear & pleasant weather. Light breeze from South. Smooth Sea. Bright starlight. Steaming course W.N.W. 3/4 W. all plain Sail set.

J. Downing
Ensign U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	2	23.7	W.N.W. 3/4 W.	South	2			29.82	81	79	72	78	b.clr.	cir. cum	9	S.M.
2	7	3	31.0	"	"	2			29.82	81	79	72	78	"	"	8	"
3	8	2	39.2	"	"	2-3			29.81	81	79	74	78	"	cumu	6	"
4	8	9	48.1	"	"	2-3			29.80	80	78	74	78	"	"	6	"
5	6 2	5 0	54.6 56.6	N. W. 1/2 N.	"	2			29.78	79	78	72	77	b.c.	cir. cium	6	S
6	8	2	64.8	"	"	2			29.78	79	78	72	77	"	"	4	"
7	1 6	2 4	66.0 67.6	W. to W. W. by N.	"	3			29.77	79	78	72	76	"	"	4	"
8	7	4	75.0 75.4 82.4	N. W 1/4 N.	"	3			29.77	79	78	72	76	"	"	6	"
9	8	8	91.0	"	S. by E.	4			29.78	80	79	72	76	"	"	7	"
10	9	2	1.2	"	"	4			29.77	80	79	72	76	"	"	7	"
11	8	7	8.9	"	S. by W.	4			29.78	81	78	74	75	"	"	5	"
Noon.	10	5	19.4	"	"	4			29.79	81	78	74	75	"	"	6	"

Course and distance made good since preceding noon by observations, PL 202 knots. 5 tenths.

Position at Noon:
- Latitude by D. R. — N 33 ° 35' "
- Longitude by D. R. — ° ' "
- Latitude by observations of ⊙ — N 33 ° 36' "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 125 ° 25' "

Position at 8 a. m.
- Latitude by — N 33 ° 10' "
- Longitude by — E 126 ° 06' "

Position at 8 P. M.
- Latitude by — N 34 ° 30' "
- Longitude by — E 125 ° 01' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 4h 22m PM " N.W.by W.1/2 W. W 4° 20 "

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1350 "

Water remaining on hand fit for use at Noon, 22100 "

Coal consumed during the preceding 24 hours, 11 tons 70 lbs.

Coal remaining on hand at Noon, 122 " 686 "

P. M.													
1	4	2	30.6 27.7	N.W. 1/4 N. N.W. 1/2 N.	South	3	29.79	81	78	74	76	b.c. cir cum	7 S
2	8	4	36.1	"	"	3	29.79	81	79	74	76	" "	6 "
3	8	4	44.8	"	"	3	29.78	82	79	74	76	" "	5 "
4	6 3	9 0	51.7 54.7	N.W.by W. 1/2 W.	"	4	29.76	82	78	74	76	" "	5 "
5	4 6	4 9	62.4 68.3	N by W	"	4	29.74	81	78	74	76	b.cum. cum.cir	6 S.M.
6	8	9	72.4	"	"	4	29.74	81	79	74	75	" "	6 "
7	8	8	81.0	"	S by E.	4	29.74	81	79	74	75	" cir cum	6 "
8	9	0	90.0	"	"	4	29.74	80	79	74	76	" cum str	2 "
9	8	0	98.0	N 1/2 W.	"	4	29.74	80	79	74	76	" "	2 "
10	8	5	6.5	"	"	4	29.73	80	79	74	76	" "	2 "
11	4	1	10.6	N by E	S by E	4	29.74	79	74	72	76	" "	2 "
Mid.	8	5	23.2	"	"	4	29.74	79	74	72	76	cum "	0 "

Lat. 34°.25'N Long 125° E Square 1031

Lat. 35° N. Long 124°.65' E Square 1009

under the command of Commander T. F. Jewett, U. S. Navy,

Tuesday July 19th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A M

Parly clear with cir cumm clouds. Lightning to S. latter part. Bright starlight. Set trysail, dbld. Light to, gentle breze from South. Ship rolling easily. at end of watch, on course W.N.W. 1/4 W. under steam & plain sail to royals & spt mainsail. Distilling.

N. C. Bozman
Ensign U. S. N.

From 4 to 8 A. M.

Clear & pleasant. Light to, gentle breze from South. at 4. 45 changd course to N.W. 1/2 N. at 6. 00 sighted Jiffard Id. at 6.10 changd course to W.N.W. at 6.20 to N. by W. at 7.05 Jiffard Id bore (p.c.) N. by E. distant 1.3 miles. changd course to N.W. 1/4 N. at 6.30 sighted Barbow & Sheppard Ids. at end of watch land in sight on starboard hand.

W. B. Hoggatt
Ensign U. S. N.

From 8 A. M. to Meridian

Clear & pleasant. Moderate breze from S by E. & S by W. Under steam & all plain sail except mainsail. Course N.W. 1/4 N. at 9.30 inspected at quarters. Exercised 1st Div. gunnery instruction. 2d Div. Single Sticks, 3d Div. Cutlass, Powder & Div. Machine Guns. Overhauled dry gun cotton & found in good condition.

C. A. F. Derby
Lieut U. S. N.

From Meridian to 4 P. M.

Clear & pleasant weather. Hazy. Light to moderate breze from South. at 12.00 hauled course to N.W. 1/2 N. at 3.00 to N.W. by W. 1/2 W. at 3.45 sighted Ross Island, one point on weather bow. Smooth sea. Ship rolling easily. P.L. registered 54.

F. T. Jewett
Ensign U. S. N.

From 4 to 6 P. M.

Partly clear with cir-cumm clouds. Misty. Moderate breze from South, shifting to S.S.E. last hour. Smooth sea with moderate Sly. swell. Ship rolling easily. at 4.30, South Pt of Ross Id bore abeam (p.c.) N.N.E. 1/2 E, distant 2 miles. at 5.00 changd course to North, P.L. 62.4. at 5.30, Hand Rock off Ross Id. bore abeam, distant 1/2 mile. Took in main trysail & spanker. at end of watch on course North under steam, square sail except mainsail & head sails. Ross Id bearing (p.c.) S.S.E. Distilling.

N. C. Bozman
Ensign U. S. N.

From 6 to 8 P. M.

Partly clear. Misty & foggy about horizon. Moderate breze from S by E. At 7.00 lost sight of Ross Id. at 8. changd course to N. 1/2 W. Stopped distilling.

W. B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight

Clear & pleasant first three hours. Cloudy & misty at end of watch. Moderate breze from S by E. & S.S.E. at 10.30 changd course to N. by E. P.L. 10.6. Took in flying jib & fore topmast stay sail. Set main trysail. at 8.05 hauled fires in the two boilers used for distilling, the tanks being full. Lost overboard one speaking trumpet.

Chas. F. Derby
Lieut U. S. N.

Examined and found to be correct.

E. D. Galloway Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d. Rate,

At Sea making passage to Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	0	31.2	N. by E.	S.S.E.	3			29.76	29	26	25	25	b.c.	air. cum.	3	M
Lat 35° 10 N long 125 E Square 1010 2	8	3	39.5	"	"	3			29.76	29	25	25	25	o.c.	cumul	0	"
3	8	5	48.0	"	"	3			29.74	29	25	25	24	"	"	0	"
4	4	8	55.6	"	"	3			29.74	29	24	25	24	"	"	0	"
5	9	2	64.0	"	"	3-4			29.73	29	25	25	24	f.w.	mre	0	S-M
6	4	5	69.5	N. N. W.	"	3-4			29.75	29	25	25	24	"	"	0	"
7	5	6	75.1	N. N. E. 1/2. E.	"	3-4			29.77	29	25	24	24	o.c.f.w.	cum nim	0	"
8	8	9	81.0	"	"	3-4			29.79	29	25	24	23	"	"	0	"
9	8	6	89.6	"	"	3			29.80	29	25	24	23	"	"	0	"
10	8	6	98.2	"	"	2			29.83	29	26	24	23	o.cum	"	0	"
11	8	1	6.3	"	"	2			29.83	29	26	24	23	"	"	0	"
	8	2	15.0	"	S.E.	3			29.84	29	26	24	23	"	"	0	"
Noon.	7	3	14.4 20.6 22.1 22.3	N. by E. 1/4. E. N. W. by W. N. 1/4. W.	South	3			29.81	29	26	24	23	o.c.f.w.	"	0	"

Course and distance made good since preceding noon by ~~observations~~ DR 202 knots. 9 tenths.

Position at Noon:
- Latitude by D. R. — N 36 . 34 "
- Longitude by D. R. — E 125 . 38 "
- Latitude by observations of ⊙ — N . ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — . ' "

Position at 8 a. m.:
- Latitude by DR — N 36 . 08 "
- Longitude by Observation — E 125 . 12 "

Position at 8 P. M.:
- Latitude by Bearings — N 34 . 08 "
- Longitude by " — E 126 . 05 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head . ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " . ' "

Variation of the Compass by Azimuth ⊙ observed at " . ' "

Variation of the Compass by Azimuth ⊙ observed at " . ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 450 "

Water remaining on hand fit for use at Noon, 2800 "

Coal consumed during the preceding 24 hours, 9 tons 110 lbs.

Coal remaining on hand at Noon, 113 " 576 "

P. M.													
1				N. E. 1/2. E.	S. by E.	4	29.82	29	26	25	24	b.c.	cir cum	2	M
2	8	4	36.9	"	"	3	29.82	29	26	24	23	"	"	4	"
3	8	1	45.0	N" E.	"	3	29.83	29	25	24	24	"	cir str	8	"
4	4	4	52.4	"	"	3	29.84	29	24	24	24	"	"	8	"
5	5	9	58.6	N. N. E. 3/4. E.	"	3	29.84	29	25	24	24	"	& cir cum	4	"
6	2	0	60.6	N. N. W.	"	3	29.84	29	24	24	24	"	"	2	"
7	0	1	63.7	W. N. W.	"	3	29.84	29	24	24	23	b.cum	cir str	6	"
8	0	4	64.6	W. by N.	"	3	29.84	29	24	24	23	"	"	6	"
9	0	4	66.4	N. E.	"	3	29.84	29	24	24	23	"	"	6	"
10	Ebb				E. N. E.	2	29.84	29	24	23	22	b.cum	"	6	"
11	"			"	S. E.	2	29.86	29	24	23	21	b.c.	"	4	"
Mid.	"			S. W.	Calm	0	29.88	29	24	23	21	"	"	8	"
	No apparent tide				W. S. W.	1	29.88	29	23	23	22	b.c.	"	2	"
	Flood			E. N. E.	Calm	0	29.88	29	23	23	22	o.cum	"	0	"
				S. W. by W.											

under the command of Commander T. F. Jewell, U. S. Navy,

Wednesday July 20th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M.

Overcast and smoky. Gentle breeze from S.S.E. Plain sail to royals, except spanker, keeping jib & f. & m stay sail. Course N. by E. Smooth sea. Ship rolling easily. P.L. pegged 6.8 at end of watch. At 2. on Sat, a cast in 43 fms.

T. F. Jewell
Ensign U.S.N.

From 4 to 8. A.M.

Overcast with mist heavy fog lifting latter part. Comm'd with clouds showing latter part and sun occasionally last hour. Gentle to moderate breeze from S.S.E. Smooth sea with moderate Sup. swell. Ship rolling easily. At 5 o'c land was reported on starboard bow. Stopped ship after heading off to N.N.W. Got cast of lead in 40 fms water, black sand bottom. At 5.20 came to course N.N.E. ½ E and set f. & aft sail, f. jib, m topsail & spanker. Got casts at 6 o'c & 8 o'c, depths 39 fms & 41 fms respectively, with hard bottom at 6 o'c & sand bottom at 8 o'c. At end of watch on course N.N.E. ½ E, under steam & plain sail to royals except mainsail.

H. C. Saunderson
Ensign U.S.N.

From 8. A.M. to Meridian

Overcast with fog at intervals setting in heavy towards end of watch. Light to gentle breeze from S.E. to South. At 9.15 took in spanker & main topsail. At 9.30 inspected at quarters and exercised at divisional positions except Navigators Div. By order of Capt. Officer released from confinement L. F. Dunne Lds. J. Daley, Lds & J. H. Brennan P.M. At 11.17 Sighted Clifford Is bearing W.N.W. Ship's Head N. by E. ½ E. At 11.25 took in light sails & at 11.50 took in all sails. At 11.25 sounded to no bell on account of fog, sent ahead 4 bells at 12 o'c. Furled sails. At end of watch Islands obscured by fog. Changed course to N. by E 1/4 E, at 11.20 PL 17 Y, at 11.45 to N.W. by N. PL 20 6. At 12 N. P.L. 22 1

W. B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.

First hour of watch generally foggy. Gentle to moderate breeze from S by E. Running at Sled speed & standing for Clifford Islands. At 1.45 fog lifted. At 12.55 headed N.E. ½ E. sent ahead fore sheet, set all fore & aft sail. At 1.10 called all hands & made sail to topgallant sails. At 2.00 changed course to N.E. PL 36 9. Last three hours of watch generally clear & pleasant. Hilly around horizon to S. At end of watch Chasse Loup Islet bore N. by W. ½ W. distant 3½ miles.

A. F. Dewey
Lieut U.S.N.

From 4 to 6 P.M.

Clear weather, foggy around horizon. Gentle breeze from S by E. at 4.40 changed course from N.E. to N.N.E. 3/4 E. At 5.15 called all hands shorten sail. Furled sails. Remainder of watch steaming in fair channel at 5.46 came to with port chain in 13 fms in Prince Imperial archipelago, soft bottom. Comm Thompson W. bang S.W. ½ S. Mount Captain W. bang N. ½ W. Peak West. Capt 41 o & 16.

F. Goodrich
Ensign U.S.N.

From 6 to 8. P.M.

Foggy first hour, with cirro stratus clouds during watch. Heavy wet fog setting in last hour. Light breeze from S by E. to E.N.E. Banked fires. At 6 o'c, hoisted W.S.W. 1/4 W. 1.8 knots, at 7 o'c S.W. by S. 2.1 knots. Sent down royal yards at sunset & unbent sails. Rove off port cat & fish falls. Hauled fires. Light S by E and banked fires in 2 & 4. Relieved at 8 o'c.

H. C. Saunderson
Ensign U.S.N.

From 8 P.M. to Mid night

Foggy clear overhead with bright starlight until last hour. Light breeze from S. to E. Calm & light airs from W. S.W. Tide as follows 9 o'c S.W. 1.4, 10 o'c no apparent tide, 11 o'c E.N.E. 1.6, midnight N.E. by E. 1.7.

Examined and found to be correct.

Began to swing the Flood at 9.50 finished at 10.40.

W. B. Hoggatt
Ensign U.S.N.

D. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor off Prince Imperial Archipelago off Kamtschatka Island.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S.	Calm	0			29.89	43	43	43		f.	nmc	10	S
2				"	"	0			29.89	44	43	42		"	"	10	"
3	Ebb			S. by W.	"	0			29.89	44	44	42		"	"	10	"
4				"	"	0			29.88	42	43	41		"	"	10	"
5	"			East	"	0			29.88	42	42	41		"	"	10	"
6	"			N. E. by E.	E. by S.	0			29.89	41	40	69		"	"	10	"
7	"					1			29.91	41	40	69		"	"	10	"
8	"			N. E.	Calm	0			29.93	42	41	40		"	"	10	"
9	"				N. E.	0			29.93	43	42	41		b. cf.	cir cums	10	"
10	"					1			29.93	44	43	42		"	"	10	"
11	"		65.4	N. N. E.	E. by N. E.	1			29.92	46	44	42		b. cu.	"	10	"
Noon.	4	1	69.5	E. by E. 3/4 E.	"	1-2			29.92	46	45	43		"	"	10	"

Course and distance made good since preceding noon by ~~observations~~ PM, 47 knots 2 tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 355 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2450 "

Coal consumed during the preceding 24 hours, 8 tons 1540 lbs.

Coal remaining on hand at Noon, 104 " 1276 "

P. M.												
1	4	2	69.5	N. E. 3/4 E.	N. N. E.	2	29.89	46	46	44	b. c.	cir cums	8	S
2	9	5	84.8	N. N. E. 3/4 E.	N. W.	1	29.84	48	48	46	"	"	8	"
3	6	0	93.0	N. N. E. 1/2 E.	West	2	29.84	49	48	47	"	"	8	"
4	Ships Head			S. S. W.	W. N. W.	2	29.82	80	80	78	"	"	9	"
5	Flood			S. W. by S.	"	3	29.83	80	80	78	"	cum str	9	"
6	Ebb			N. W.	"	3	29.86	80	49	46	"	"	7	"
7	"			N. by W.	"	3	29.86	49	48	46	"	"	4	"
8	"			North	"	3	29.86	49	48	46	"	"	5	"
9	"			"	N. N. E.	1	29.86	49	48	46	"	cum	9	"
10	"			N. by W.	North	1	29.86	49	48	47	b. cu.	nmc	10	"
11	"			"	"	1	29.86	49	48	47	"	"	10	"
Midnight	Ships Head			S. by W.	"	1	29.86	49	48	47	b. cu	cum	9	"

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday July 21st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A.M.

Calm. Heavy fog. Flood tide. At 3. Started fires in two more boilers. Began to steering the ebb at 3:00.

A.F. Teehuyse
Lieut U.S.N.

From 4 to 8 A.M.

Heavy fog. Calm first half, light airs from E.S.E. last half. Riding to ebb tide.

E. T. Woodward
Ensign U.S.N.

From 8 A.M. to Meridian.

Heavy fog lifting, occasionally 1st part. Foggy & hazy latter part, clearing last hour. Bright & warm. Calm 1st hour. Light N.E. & E.N.E. airs & breeze afterwards. At 9:30, sounded to quarters for inspection, after which drilled as follows. 1st & Board Div's Rifles 2d Div. Machine Guns, 3d Div. Single Sticks & Marines, Infantry. At 10th, called all hands to muster & published proceedings, finding and sentence of S.C.M. in case of J.A. Williams, 2 C.A. Sentence, to be confined for (30) thirty days in double irons. J.A. Williams, 2 C.A. was confined in accordance with above sentence. At 9th ebb set S.W. 2.2 & at 10th 1.8. Slack water at 11th. At 11th, brought to chain & spread fires & turned engines over. At 11th 5th, called all hands up anchor. Got underway at 11th 20th. Draft of ship, fwd 13'0, aft 16'. At 11th 30th, put over P.L. reading 65 f. Set course N.E. by E. 3/4 E. At end of watch under steam along in course N.E. by E. 3/4 E. & off Button in Flying Fish Channel to mouth of Salee River.

A.C. Bowdoin
Ensign U.S.N.

From Meridian to 4 P.M.

Clear warm & pleasant. Light airs & breeze from N.N.E. to West. Standing up Flying Fish Channel & Salee River for Rhemelp the Temida Officer at the comm. At 2:10 called all hands bring ship to anchor. At 2:20 slowed to one bell & at 2:40 let go port anchor, and at 3:05 let go starboard anchor. Moored ship with 60 fms in port chain & 45 fms on starboard. Port anchor S.S.W. At 3:20 hauled fires in boilers 1, 3, 6 & 8. Received visits of courtesy from Russian, Japanese & Chinese gunboats in Harbor. Bearings at anchorage (pm) Chenpon Rhemin Wolmi (Rose Island) N.E. 3/4 N. Peak of Jacquinot West, Ships Head S.S.W. Draft fwd 13'0" aft 16'.

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 P.M.

Partly clear bright & pleasant. Strata & cirrus clouds. Light breeze from W.N.W. Smooth sea. Unbent flying jib, fore topmast stay sail & main trysail. Got ship ready for Port Quarters for muster at 6:20 P.M. Braced main trysail aft. Rising to flood till 6 o'c when tide slacked. At 7:30 began steering to ebb. Finished at 8 P.M. at end of watch, ebb set South, 18 knots. Clear Harbor.

H. Conover
Ensign U.S.N.

From 8 P.M. to Midnight.

Clear & pleasant, light starlight. Light airs from N.N.E. & North. At 10: pilot set South 0.5 at midnight flood set North 1.1. Commenced to steering to flood at 11:30.

W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

E.D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemnitz.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Steer Nord													
1	Flood			S S W.	N W.	1			29.86	48	48	48		beau	N mer	10	9
2	"			"	"	1			29.84	48	48	46		"	"	10	"
3	"			"	Calm	0			29.88	48	48	46		"	"	10	"
4	"			S	"	0			29.86	48	48	46		"	cir-cir	9	"
5	"			S by W.	"	0			29.89	48	48	46		beau	"	9	"
6	"			S S W.	"	0			29.89	48	48	46		beau	"	5	"
7	Ebb			N. by E.	"	0			29.91	49	48	48		"	"	9	"
8	"			"	"	0			29.91	50	49	48		"	"	9	"
9	"			"	North	1			29.93	51	49	48		"	cir cum	8	"
10	"			North	Calm	0			29.94	51	50	49		"	"	8	"
11	"			N N W.	S by W.	1			29.95	51	80	48		"	"	8	"
Noon.	Flood			W. by S.	S W. by W.	1			29.95	52	80	49		"	"	6	"

Course and distance made good since preceding noon by ~~observations~~ P.L, 23 knots 5 tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons 2080 lbs.

Coal remaining on hand at Noon, 107 " 1436 "

P. M.										
1	Flood	S S W.	W. S W.	1	29.95	83	80	beau cir-cum	2	8
2	"	S W by S	"	1	29.94	84	82	" "	2	"
3	"	S W by S	"	1	29.94	84	83	" "	6	"
4	"	S S W.	W by S.	2	29.92	83	82	" "	5	"
5	"	S W by S	"	2	29.92	82	81	" cirstr	2	"
6	Swinging	S W by S.	W N W.	2	29.92	82	80	" cum	5	"
7	Ebb	North	West	1	29.92	82	80	" "	4	"
8	"	"	"	1	29.93	82	80	" "	3	"
9	"	"	N W.	1	29.94	82	81	" "	2	"
10	"	"	Calm	0	29.94	82	81	beau nme	10	"
11	"	N N W.	"	0	29.96	82	81	" "	10	"
Moored swinging to Flood		N E.	"	0	29.96	82	81	be cir-cum	8	"

under the command of Commander F. F. Forse, U. S. Navy,

Friday July 22d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at A. M.

Clear & pleasant. Bright starlight. Calm & light airs from N.W. Flood tide. Clear hawse. Straight of current at 2 o'clock 2 knots.

C.A.F. Derrotty
Lieut U.S.N.

From 4 to 8 A. M.

Partly clear with cir. str. clouds. Hazy, with fog 1st hour. Calm. Light and hot last hour. At 5h, loosed sail to a bowline. At 7h, fired set. 1.8. 2 f knots. Slack water from 6h to 6h 40m, when commenced to swing. Swung to ebb at 6h 5m. At 8 o'c. ebb set S. by W. 1.6 knots. Cleaned forward bilges.

L. Young
Ensign U.S.N.

From 8 A. M. to Meridian

Clear bright & warm. Hazy. Calm. Light airs from North, Sby W, and S.W. by W. At 9.30 went to quarters for inspection afterwards exercised as follows: 2d & Nav. Div's Rifles, 3d Div Machine Guns, Pistol Drill & Stations & Maxims at Skirmish Drill. The Boyd's Officer made official visits to the Japanese Corvette "Tei-Ki", Russian Gunboat Seamotch. Tide turned at 11.15.

W.B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P. M.

Clear & warm. Light breeze from W. SW & W. by S. Flood tide. Swung 2 f knots at 3:00. Clear Hawse. The Commander paid a visit to the Chinese man-of-war. Received visits from Commanders of Japanese man-of-war & from Japanese Consul. At 3.40 called all hands, furled & unbent sails & sent down top gallant Yards. Weights found correct on gun cotton & Lesler gun cotton primers & Hobbs cock.

C.A.F. Derrotty
Lieut U.S.N.

From 4 to 8 P. M.

Clear & pleasant. Light breeze & airs from W. by S to W. N.W. At 6:15 went to fire quarters.

W.B. Hoggatt
Ensign U.S.N.

From 8 P. M. to Midnight

Clear & calm. Bright starlight. Began to swing to flood at 11h.

C.A.F. Derrotty
Lieut U.S.N.

Examined and found to be correct.

C.D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the Harbor of Chesapeake.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Fixed			S S W.	S W.	1			29.948	80				b cum cir cum		8	9
2		"		"	"	1			29.948	80	78			"	"	4	"
3		"		"	"	1			29.948	80	79	78		"	"	4	"
4		"		S "	"	1			29.948	80	79	78		"	"	4	"
5		"		S by W.	Calm	0			29.948	80	79	78		"	"	5	"
6		"		South	"	0			29.948	80	79	78		"	"	5	"
7		"		E by S	"	0			29.948	1 80	79			"	"	2	9 "
Hauling to sbk				N. N. E	"	0			29.948	4 80	79			"	"	9	"
9		"		N by E.	"	0			29.948	3 80	79			"	"	2	"
10		"		N E.	"	0			29.948	3 81	80			"	"	6	"
11		"		N by E	"	0			29.948	5 82	80			"	"	6	"
Noon.		"		N by W.	"	0			29.948	4 81				"	"	6	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 17/50 "

Coal consumed during the preceding 24 hours, tons 1280 lbs.

Coal remaining on hand at Noon, 107 " 156 "

P. M.									
1	Slack water	East	North	1	29.98	84	83	b cum cir cum	6 9
2	Flood	S S W.		1	29.96	84	83	" "	4 "
3	"	"	N " N. E.	0-1	29.94	84	84	" "	4 "
4	"	N " E.		0-1	29.92	88	85	" "	4 "
5	"	S S W.	N " W.	1	29.92	88	85	" "	4 "
6	"		N N W.	1	29.92	88	85	" "	4 "
7	Slack water	South	N W.	1	29.91	86	83	" "	6 "
8	Ebb	N by W.		2	29.88	84	83	" "	6 "
9	"	N N E.	East	1	29.90	83	83	" cum	9 "
10	"	North		1.	29.90	82	82	" "	9 "
11	"	N " E.	S E.	1	29.91	82	82	" "	9 "
Mid.	"	N by W.	"	1	29.93	82	81	" "	8 "

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday July 23d, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends H. A. M.
Clear, warm and pleasant. Hazy around horizon. Light airs from S.W. Flood tide. Crossing hawser, starboard chain on top.

T. J. Toomis,
Ensign U. S. N.

From 4 to 8 A. M.
Clear warm and pleasant. Hazy about horizon. Calm. Received 130 lbs fresh beef, 130 lbs fresh vegetables and 10 lbs fresh bread.

W. B. Hoggatt
Ensign U. S. N.

From 8. A. M. to Meridian
Clear calm and warm. Ebb tide. Began to swing at 11.15. Clear hawser. Veered five fathoms on starboard chain. Aired bedding.

A. F. Jewett
Lieut U. S. N.

From Meridian to 4 P. M.
Clear weather very warm. Light airs from N.E. and E. Hauled fires in boilers 2 and 4. Flood tide.

T. J. Toomis,
Ensign U. S. N.

From 4 to 8. P. M.
Clear and warm. Light airs from N.W. and N.N.W. At 7.15 began to swing to ebb finished at 7.40. Hauled fires in boilers No 3 and 4 at 8 P. M. at 6.18 undesired at quarters. Clear hawser.

A. F. Jewett
Lieut U. S. N.

From 8. P. M. to Midnight.
Clear, warm and pleasant. Light airs from East first half and S.E. last half of watch. Ebb tide. Clear hawser.

T. J. Toomis,
Ensign U. S. N.

Examined and found to be correct.

Ed. Galloway Lieut and Navigator.

LOG of the UNITED STATES "Steamer "Essex", 3d Rate,

Moored in the harbor of Shemmipo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Flood			East	North	1			29.92	82	81	80		b.cu.	cu-cu	8	S
2		"		S. by W.	S. S.W.	1			29.93	81	80	80		"	"	8	"
3		"		"	"	1			29.92	81	80	79		"	"	8	"
4		"		"	"	1			29.92	81	80	79		"	"	8	"
5		"		S.	N.W.	0			29.92	80	78	78		"	"	2	"
6		"		"	"	0			29.92	80	79	78		"	"	6	"
7		"		"	S.	1			29.93	80	78	78		"	"	5	"
8		"		"	"	1			29.93	81	79	79		"	"	5	"
9	Ebb			N.	S. by E.	1			29.91	81	80	80		"	cu-cu	6	"
10		"		N. by E.	S.W.	1			29.92	82	81	80		"	"	6	"
11		"		N. by E.	S.W.	1			29.92	82	81	78		"	"	5	"
Noon.		"		N.	West	1			29.92	82	81	78		"	"	7	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 11400 "

Coal consumed during the preceding 24 hours, tons 560 lbs.

Coal remaining on hand at Noon, 106 " 1836 " .

P. M.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
1	Flood			N.W.	S.	1			29.92	83	81	78		b.cy.	cu-cu	6	S
2	Flood			S.W.	S.W.	1			29.92	85	83	79		"	"	5	"
3		"		S.W. by S.	N.E.	1-3			29.92	85	84	78		"	"	5	"
4		"		"	"	2-3			29.84	85	83	79		"	"	5	"
5		"		"	"	2			29.84	84	82	79		"	"	5	"
6		"		S.W.	West	2			29.86	84	82	78		b.cu.	"	6	"
7		"		S.W. by S.	W. N.W.	2			29.86	83	81	79		"	"	4	"
8		"		S.W. by S.	W. N.W.	2			29.84	81	79	76		"	"	4	"
9	Ebb			North	West	1			29.86	80	78	75		"	"	4	"
10		"		N. by E.	"	1			29.86	81	78	76		"	"	6	"
11		"		North	"	1			29.86	81	78	79		"	"	6	"
Mid.		"		"	"	1			29.85	81	78	76		"	"	6	"

under the command of Commander F. F. Jones, U. S. Navy,
Sunday July 24th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A. M.
Clear and pleasant. Light airs from North shifting to N.E. second hour. Riding to flood tide. Moored in harbor, starboard chain on hook.
E. G. Lewis
Naval Cadet U. S. N.

From 4 to 8 A. M.
Generally, clear and warm. Calm & light airs from South. Flood tide. Strength at 6:30, 2.2 knots. Moored in harbor, starboard chain on hook.
A. F. Fechteler
Lieut U. S. N.

From 8 A. M. to Meridian
Clear, warm and pleasant. Light airs from S by E generally veering to West at end of watch. Sound to ebb tide at 8:30. Clear harbor. Held divine service.
F. Moore
Ensign U. S. N.

From Meridian to 4 P. M.
Clear and pleasant. Slight haze in horizon. Light air from S.W. first five hours increasing to a little breeze from N.E. last two hours. Riding to port chain. Clear harbor. Flood tide.
E. G. Lewis
Naval Cadet U. S. N.

From 4 to 8 P. M.
Fair and pleasant weather. Hazy. Light breeze from N.E. shifting to West and W.N.W. light last half of watch. At 7:45 began to swing to ebb tide. Clear harbor.
F. Moore
Ensign U. S. N.

From 8 P. M. to Midnight
Clear and pleasant. Light Wly air. Riding to ebb tide on starboard chain. Clear harbor.
E. G. Lewis
Naval Cadet U. S. N.

Examined and found to be correct.

W. D. Galloway Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chimneys.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head.	S. S.W.												
A. M.																	
1	Slack Water			N.W.	~~West~~	1			29.83	80	78	76		b.cum.	cir-cum	6	S
2	Flood			S.W. by S		1			29.83	80	78	76		"	"	6	"
3		"		S.S.W.	N.W.	1			29.83	79	79	77		"	"	8	"
4		"		"	"	1			29.82	79	79	76		"	"	8	"
5		"		"	Calm	0			29.83	79	79	76		"	"	4	"
6		"		S. by W.	South	1			29.83	79	78	76		"	"	5	"
7		"		"	"	1			29.83	79	78	76		"	"	5	"
8		"		"	"	1			29.84	79	78	76		"	"	6	"
9	Ebb			North	West	1			29.85	79	78	76		"	"	8	"
10		"		"	"	1			29.86	80	79	76		"	"	8	"
11		"		"	W.S.W.	1			29.86	81	80	77		"	"	8	"
Noon.		"		"	"	1			29.86	80	80	77		"	"	8	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 800 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 106 " 1436 "

P. M.											
1	Ebb	N.N.W.	S.W.	1	29.84	81	80	77	b.cum.	cir-cum	8	S
2	Flood	S.W.	"	1	29.84	80	81	79	"	"	8	"
3	"	S.W. by S.	W.N.W.	1	29.84	83	83	80	"	"	8	"
4	"	"	"	1	29.85	86	84	80	"	"	9	"
5	"	S.S.W.	"	1	29.83	87	86	80	b.c.g.	"	6	"
6	"	"	"	1	29.81	86	84	80	"	"	6	"
7	"	"	"	1	29.80	84	83	79	"	"	6	"
8	"	"	"	1	29.78	82	80	77	"	"	6	"
Swinging to ebb		S.E.	Calm	0	29.80	81	80	77	b.c.	Obs	9	"
10	"	North	"	0	29.81	81	80	77	"	"	9	"
11	"	"	"	0	29.81	81	80	77	"	"	9	"
Mid.	"	"	"	0	29.81	81	78		"	"	9	"

under the command of Commander T. F. Jewell, U. S. Navy,
Monday July 20th, 1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Cutter at A M
Partly clear hazy and pleasant. Light airs from N.W. to S.W.
Clear Leave.

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 A M.
Fair to clear weather, pleasant. Calms to light airs from South. Flood tide. Clear Leave. Received in Pay Dept for issue to crew 130 lbs each of fresh beef and vegetables and 104 lbs bread.

F.W. Loomis
Ensign U.S.N.

From 8 A M to Meridian
Clear and pleasant. Light Yly airs. Tide turned to ebb at 9:10 A.M. At 9:30 beat to General Quarters. Tested magazine and shell room flood cocks. Rigged in flying boom for repairs. Clear Leave.

From Meridian to 4 P M
Clear, hazy and warm. Light airs from S.W. and W.N.W.
Clear Leave.

D.A. Levis
Naval Cadet U.S.N.

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 P M
Clear hazy and pleasant. Light air from W.N.W. Flood tide.
Began distilling at 5:00. Clear Leave.

D.A. Levis
Naval Cadet U.S.N.

From 8 P.M. to Midnight
Clear, bright and warm. Calm. Crew in Leave, part chain on hook. Distilling. Commander Jewell and Lieutenants Galloway and Fechteler left the ship on six days leave of absence.

W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

E.D. Galloway Lieut USN Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Lake Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.	Ebb			N by E	East	1			29.84	81	81	78		b.cu.	st	9	S
1				N by W.	N E.	1			29.84	82	81	78		"	.	9	"
2	"					1			29.84	82	81	78		"	" cir	9	"
3						1			29.84	82	81	78		"		9	"
4	Flood			S W	North	1			29.84	82	81	79		b.c.	st cu-nim	4	"
5	"			S by W.	N E	1			29.86	82	80	77		"	.	3	"
6	"			S "S W.	North	1			29.84	82	80	78		"	cir cum	3	"
7	"			South	"	1			29.84	82	80	77		b.cu	"	4	"
8	"			South	"	1			29.84	82	81	77		"	"	4	"
9	"			S by W	"	1			29.85	82	81	78		"	"	5	"
10	Ebb			N by E	"	1			29.85	82	81	78		"	"	5	"
11	"			North	Calm	0			29.86	82	82	79		"	"	6	"
Noon.	"			.	"	0			29.87	84	82	79		"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at Noon, 1200 "

Coal consumed during the preceding 24 hours, 1 tons 1170 lbs.

Coal remaining on hand at Noon, 105 " 266 "

P. M.											
1	Ebb	North	West	1	29.84	84	82	79	b.c. cir cum	3	S
2	"	N by W.	"	1	29.84	84	83	79	"	2	"
3	Flood	S W.	"	1	29.84	86	84	80	"	2	"
4	"	South	Calm	0	29.86	86	85	81	"	2	"
5	"	S S W.	"	0	29.89	87	86	82	"	3	"
6	"	S by W.	W N W.	1	29.89	87	86	82	"	3	"
7	"	"	N W.	1	29.88	86	85	81	"	4	"
8	"	"	"	1	29.88	85	83	80	"	3	"
9	"	South	N E	1	29.88	85	83	80	b.cu.	4	"
10	Ebb	N E by N.	"	1	29.88	84	82	79	"	4	"
11	"	N by E	"	1	29.88	84	82	79	"	6	"
Mid.	"	.	"	1	29.88	84	82	79	"	3	"

under the command of Commander T. F. Jewett, U. S. Navy,
Tuesday July 26th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences M^d Until 4 A. M.
Clear until last hour when cloudy. Light airs from East gradually hauling to North. At 2. moving to flood tide. Clear Larboard. Distilling.

F. F. Loomis
Ensign U. S. N.

From 4 to 8 A. M.
Fair & Pleasant. Light airs from North to N. E. Barometer steady. Flood tide. Distilling. Clear Larboard.

F. F. Loomis
Ensign U. S. N.

From 8 A. M. to Meridian.
Partly clear hazy & warm. Light airs from North & Calm. By order of the Commanding Officer Joseph Fine Ord. was given 3 days solitary confinement for shirking & making a false statement of same. Got up, and overhauled boom, stream & stern chains. Cross in hawse, port chain on top. Distilling.

W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P. M.
Fair & warm weather. Light airs from West. At 2. moving to flood tide. Elbow in hawse, port chain on top. Struck below stern & stream chains.

F. F. Loomis
Ensign U. S. N.

From 4 to 8 P. M.
Partly clear warm. Light airs from W. by W. & N. W. Calm first hour. Mustered at quarters at 6. x5. Elbow in hawse.

W. B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight
Fair weather, pleasant. Light airs from S. E. at 9. moving to ebb tide. Round turn in hawse, port chain on top.

F. F. Loomis
Ensign U. S. N.

Examined and found to be correct.

R. D. Galloway Lieut & Nav Navigator.

LOG of the UNITED STATES, Steamer "Essex", 38 " Rate,

Moored in the Harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1		6		North	N.W.	1			29.89	38	80			b.cl.	cum-strat	3	S
2		"		N. by W.	N.N.W.	1			29.89	38	80			"	"	1	"
3	Slack Water			N.W.	"	1			29.90	38	79			o.cl.	"	0	"
4	Flood			W.	N.W.	2			29.93	81	78			o.cl.	cirro	0	"
5		"		W. by W.	Calm	0			29.93	80	76			o.cl.	"	0	"
6		"		"	E. by N.	1			29.93	80	76			o.cl.	"	0	"
7		"		"	"	1			29.96	80	74			b.cum.	cir-strat	2	"
8		"		S.	"	1			29.96	80	74			"	"	3	"
9		"		South	South	1			29.96	82	80			"	cir-cum	3	"
Steering to		Eb		S.E. by S.	"	1			29.94	82	81			"	"	2	"
11		"		South	"	1			29.94	83	82			"	"	3	"
Noon.		"		N. by E.	S.E.	1			29.94	83	82			"	"	3	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 4 tons gallons.

Water Distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at Noon, 1500 "

Coal consumed during the preceding 24 hours, tons 2160 lbs.

Coal remaining on hand at Noon, 104 " 346 "

P. M.												
1	Eb	North	West	1	29.94	82	81	b.cum.	cir-cum	3	S
2	"	N. by W.		1	29.94	82	81	"	"	2	"
3	"	N.N.W.	W.N.W.	1	29.94	82	81	"	"	2	"
4	Slack Water	W.N.W.	N.W.	1	29.94	82	81	b.cum.	"	2	"
5	Flood	S. by W.	N.N.E.	1	29.95	82	81	"	"	2	"
6	"	S.S.W.	"	2	29.94	82	81	b.c.	cir-cum	3	"
7	"	"	"	1	29.94	82	81	"	"	5	"
8	"	"	"	1	29.93	82	81	"	"	6	"
9	"	S. "	N.E.	1	29.93	82	81	"	"	6	"
10	Eb	South	"	1	29.93	82	81	"	"	8	"
11		N.N.E.	"	1	29.93	81	79	"	"	8	"
Mid.	"	N. by E.	"	1	29.93	80	79	"	"	8	"

under the command of Commander T. F. Lewis, U. S. Navy,

Wednesday July 24th, 1867.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Mid watch A.M.

Fair first hour, then overcast and cloudy. Light airs from N.E. and E. increasing to moderate squalls last hour. Rain last hour. Round turn and chain in hawse, port chain on top.

F. A. Lewis
Naval Cadet U.S.N.

From 4 to 8 A.M.

Overcast raining first hour with thunder and lightning. Passing showers 2d hour, clearing last hours. Calms and light airs from E. by N. Round turn and chain in hawse.

W. Hoggatt
Ensign U.S.N.

From 8 A.M. to Midnight

Cloudy to fair weather warm. Hazy. Light airs from South until last hour when P.M. At 10.30 moving to clear Hawse. Cutting Down.

T. Toomer
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy. Light airs from West to N.E. Put in moorings veering on 90 fathoms shackled the port chain to it. Bent starboard bower chain to starboard Stream anchor. At work cutting down. Painting on the berth deck. Carpenters Gang at work making gratings. Mail steamer got underway at 3.10

F. A. Lewis
Naval Cadet U.S.N.

From 4 to 8 P.M.

Fair to cloudy weather. Light airs from N.N.E. Flood tide. At 6.10 mustered at quarters.

T. Toomer
Ensign U.S.N.

From 8 P.M. to Midnight

Clear and pleasant. Light airs from N.E. Barometer steady. Tide turned to ebb about 10.00.

F. A. Lewis
Naval Cadet U.S.N.

Examined and found to be correct.

C. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo Corea.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N. by E.	N. E.	1			29.958	12	79	78		b.cum.	cir. cumu	2	S
2	"			"	"	1			29.958	08	79	78		"	"	2	"
3	"			North	"	1			29.958	08	80	78		"	cumu	3	"
4	Slack Water			E. by E.	"	1			29.958	08	80	78		"	"	2	"
5	Flood			South	E. by E.	1			29.958	08	80	78		"	cir. cumu	6	"
6	"			S. by W.	N. E.	1			29.938	08	80	78		"	"	6	"
7	"			"	"	1			29.938	08	80	78		"	"	4	"
8	"			"	"	1			30.008	08	79	77		"	"	4	"
9	"			"	Calm	0			30.008	18	80	77		b.fog	"	2	"
10	"			South	"	0			29.998	08	81	77		"	"	3	"
11	"			E. by E.	"	0			29.998	08	81	78		"	"	3	"
Noon.	Slack Water			N. E.	"	0			29.998	38	82	79		"	"	6	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 4 tons gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 11 tons "

Coal consumed during the preceding 24 hours, tons 1360 lbs.

Coal remaining on hand at Noon, 103 " 1226 "

P. M.													
1	Ebb	N. by E.	Calm	0		29.948	82	79	b.cum.	cir.cum.	4	S	
2	"	North	"	0		29.968	82	79	"	"	4	"	
3	"	N. W. by N.	S.W.	1		29.968	82	79	"	"	5	"	
4	"	"	"	1		29.948	82	79	"	"	5	"	
5	Flood	S. S.W.	"	1		29.938	80	80	"	"	5	"	
6	"	S.W. by S.	West	1		29.938	84	80	"	"	2	"	
7	"	"	"	2		29.918	81	79	"	"	6	"	
8	"	"	"	3		29.908	80	76	"	cum. str.	6	"	
9	"	S. S.W.	S. S.E.	2		29.898	80	74	"	"	2	"	
10	"	"	"	1		29.898	80	74	"	cir. str.	6	"	
11	"	S. by E.	Calm	0		29.908	79	74	"	"	6	"	
Mid.	Slack Water	S. W.	"	0		29.908	80	78	"	"	4	"	

under the command of Commander T. F. Jewell, U. S. Navy,
Thursday June 28th, 1877

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A. M.
Partly clear. Pleasant. Light airs from N. E.

From 8 to 8 A. M.
W. B. Hoggatt
Ensign U. S. N.
Fair warm and pleasant. Light airs from E. N. E. & N. E. Flood tide. Making preparations for Target Squad. Received in Pay Dept for issue to ships company as much of fresh beef and vegetables as could be got fresh. Bread.

From 8 A. M. to Meridian
T. J. Lowrie
Ensign U. S. N.
Fair and warm. Calm. Flood tide with slack water at 11 A. M. Target Squad. Carpenters gang at work on gratings. Received official visit from the Colleg Officers of the Prussian man-of-war Fra Dital.

From Meridian to 4 P. M.
F. A. Lewis
Naval Cadet U. S. N.
Fair warm and Lazy. Calms and light airs from S. & E. Commenced distilling. By order of Cmdg Officer released M. F. Dolan, Sea 2 C, from confinement his sentence having expired.

From 4 to 8 P. M.
W. B. Hoggatt
Ensign U. S. N.
Clear and Pleasant. Light airs increasing to gentle breeze from S. W. to West. Tide turned to flood at 4 P. M. Distilling. Painting and scraping boats.

From 8 P. M. to Midnight
F. A. Lewis
Naval Cadet U. S. N.
Fair warm and Lazy. Light breeze from West to light airs from S. S. E. Calm last two hours. Distilling.

W. B. Hoggatt
Ensign U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut U.S. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the Harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ′ ″ ; Longitude by D. R. ° ′ ″ ; Latitude by observations of ⊙ ° ′ ″ ; Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Position at 8 P. M. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at Noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons 640 lbs.

Coal remaining on hand at Noon, 102 " 586 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
Mid.																	

under the command of Commander T. T. Jewett, U. S. Navy,
Friday July 29th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Cutis H. A. M.
Clear and Pleasant. Hazy around horizon. Calm first half. Light airs from East last half. Exh tide.
F. J. Soomis
Ensign U. S. N.

From 4 to 8 A. M.
Fair and pleasant. Light Ely air. Cleaned bilges fore and aft.
F. A. Lewis
Acad Asst U. S. N.

From 8 A. M. to Meridian.
Clear bright & pleasant. Calms and light airs from S.E. At 9:30 went to quarters for inspection, afterwards exercised 1st and 3d Divs at Rifles, 2d Div overhauled gun carriage trucks. Drying gun cotton. Distilling. By order of Comdg Officer released Jos Finn, C.H., from confinement, his term having expired.
W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P. M.
Clear, warm and pleasant. Light airs from S.E. first hour and Gentle breeze from West remainder of watch. Exh tide. Distilling. Dry wet gun-cotton Primers.
F. J. Soomis
Ensign U. S. N.

From 4 to 8 P. M.
Fair and pleasant. Light breeze from West. Mustered at quarters at 6:15. Distilling.
W. B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight.
Clear and pleasant. Light airs from W. & N.W. Exh tide. Distilling.
F. J. Soomis
Ensign U. S. N.

Examined and found to be correct.

D. D. Galloway Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the Harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.				W. by N.	Calm	0			29.198	80	48			b.c.	cir. cum.	8	S
1				N. N. E.	"	0			29.198	80	48			"	"	8	"
2		"		N. by E.	"	0			29.188	80	48			"	"	8	"
3		"		"	"	0			29.188	80	48			"	"	8	"
4		"		"	"	0			29.188	80	48			"	"	8	"
5		"		N. by W.	S.W.	1			29.198	80	48			b.c.	cir. cum.	0	"
Steering up to Ford		"		S.W. by W.	"	1			29.828	80	49	47		b.c.	cir. cum.	2	"
7	Ford			S.S.W.	"	1			29.848	80	49	47		"	"	2	"
8		"		"	Calm	0			29.848	80	49	47		S	mist	0	"
9		"		"	S.S.E.	1			29.838	80	49	47		"	"	0	"
10		"		S. by W.	"	1			29.838	80	48			"	"	0	"
11		"		S.	S. by E.	1			29.838	80	48			b.cu.	cir. cum.	4	"
Noon.		"		S.S.W.	S.S.W.	1			29.818	80	48			"	"	5	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at Noon, 2550 "

Coal consumed during the preceding 24 hours, 1 tons 1/20 lbs.

Coal remaining on hand at Noon, 100 " 2106 "

P. M.											
1	Slack Water	S.W. by S.	S.W.	1	29.198	80	49	b.c.	cir. cum.	4	S
2	Ebb	N. by W.	W. S.W.	2	29.188	80	48	"	"	8	"
3	"	North	West	2	29.188	80	49	"	"	8	"
4	"	"	"	2	29.198	80	49	"	"	8	"
5	"	N. by W.	"	2	29.18	80	49	"	"	8	"
6	"	N.W. by N.	"	2	29.18	80	48	"	"	8	"
7	Flood	W.N.W.	N.W. by W.	2	29.18	80	48	"	"	7	"
8	"	S.S.W.	"	2	29.198	80	48	"	"	7	"
9	"	"	West	1	29.18	80	48	"	"	8	"
10	"	"	"	1	29.18	80	48	"	"	8	"
11	"	S. by W.	S.	1	29.18	80	49	"	"	8	"
Mid.	"	S.S.W.	"	1	29.18	80	49	"	"	9	"

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday July 30th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Cutis A. M.
Clear and pleasant. Calm. Ebb tide. Drotching.

From 4 to 8 A. M. D. A. Lewis Acting Asst Surg U. S. N.
Overcast and foggy, thick last hour. Light airs from S. and calm last hour.

From 8 A. M. to Meridian W. M. Hoggatt Ensign U. S. N.
Overcast and foggy first half, fair and foggy around horizon last half of watch. Light airs from S. S. E. veering to S. and S. E. Flood tide. Distancing Commander Jewett and Lieutenants Gateway and Tuck and returned from leave.

From Meridian to 4 P. M. F. Toomey Ensign U. S. N.
Clear and pleasant. Light breeze from West to N. W. Japanese mail steamer came in. Received orders ashore being served. Distancing.

From 4 to 8 P. M. D. A. Lewis Acting Asst Surg U. S. N.
Clear warm and pleasant. Fresh breeze from West to fresh two knots and N. W. by W. last two hours. Six cumulus clouds. Distancing. Ebb tide until 6 o'clock when veering to flood.

From 8 P. M. to Midnight F. Toomey Ensign U. S. N.
Clear and pleasant. Light airs from West to S. W. Barometer steady. Flood tide.

D. A. Lewis Acting Asst Surg U. S. N.

Examined and found to be correct.

D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the Harbor of Memphis.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Fleet			S S W.	S W.	1			29.49	78½	78½	76		b.	cumi	10	S
2					"	1			29.49	78½	78½	76		"	"	10	"
3	Eight			North	"	1			29.49	78½	78½	76		"	"	10	"
4		"			"	1			29.49	78½	78½	76		b. c.	cir. cumi	9	"
5		"		N by E	"	1			29.49	80	79½	76		"	"	8	"
6		"		N N E.	"	1			29.48	80	79½	74		"	"	9	"
7		"			"	1			29.48	80	79½	74		"	"	9	"
8				S S E.	S S E.	1			29.48	80	79½	78		"	"	8	"
9	Fleet			S S W.	Calm	0			29.48	82	81½	78		b. c. z.	"	8	"
10		"		"		0			29.48	82	81½	78		"	"	2	"
11		"		"	W. S W.	1			29.48	82	81½	78		"	"	2	"
Noon.		"		"	"	1			29.48	82	81½	79		"	"	6	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1100 gallons.

Water Distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at Noon, 2750 "

Coal consumed during the preceding 24 hours, tons 1600 lbs.

Coal remaining on hand at Noon, 100 " 506 "

P. M.																	
1	Fleet			S by W.	W. S W.	1			29.81	83	82½	78		b. c. cir. cumi		8	S
2		"		S W.		1			29.80	83	82½	78		"	"	7	"
3	Sweeping for Ark			W. N. W.	W. N. W.	1			29.80	86	83½	79		"	"	7	"
4		"		N by E.	"	1			29.80	86	84½	78		"	"	8	"
5		"		North	"	1			29.80	86	86	78		"	"	8	"
6		"		"	N. N. W.	1			29.49	86	84½	78		"	"	9	"
7		"		N by W.	"	1			29.80	86	83½	74		"	"	9	"
8	Fleet			North	"	1			29.49	83	82½	78		"	"	9	"
9		"		S S W.	"	1			29.48	83	83	78		"	"	9	"
10		"		"	N N E.	1			29.48	83	82½	78		"	"	8	"
11		"		"	"	1			29.46	83	82½	78		"	"	6	"
Mid.		"		S by W.	Calm	0			29.46	82	82½	78		"	"	3	"

under the command of Commander P. F. Harrell, U. S. Navy,

Sunday July 31st, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Units H. A. M.
Clear bright and pleasant. Light airs from S.W.

From 4 to 8 A.M.
Clear warm and pleasant. Light airs from S.W. last hour from S.S.E.
Eat lids. Received in Pay Septs 130 lbs each of fresh beef and vegetables and 104 lbs bread.
At 5.30 Russian man-of-war left the harbor.

W. B. Hoggatt
Ensign U.S.N.

From 8 A.M. to Meridian
Clear and warm. Calms and light airs from W. S.W. Slight haze.
At 9.30 Exec'd Officer inspected ship's crew at quarters. Held Divine Service. Flags lids.

J. G. Sowers
Ensign U.S.N.

From Meridian to 4 P.M.
Partly clear, warm and hazy. Light airs from S.W. to W.N.W.
Quarterly Board of Survey condemned 5 lbs Salvage Meat which was thrown overboard by order of the Exec'd Officer.

F. A. Lewis
Acting Asst. Surg. U.S.N.

From 4 to 8 P.M.
Clear and warm. Light airs from N.E. & W.

W. B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight
Clear. First part cloudy last part. Light airs from N.N.W. and N.N.E. Calms last hour.

F. A. Lewis
Acting Asst. Surg. U.S.N.

W. B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

Lee D. Galloway
Lieut. and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Flood			S. by W.	South	1			29.44	82	82	78		b.c.r.	cum-nim	0	S
2				"	N.W.	2			29.48	81	81	77		"	"	0	"
3				S. by E.	N.E. by E.	1			29.44	81	81	77		b.cum	"	2	"
4	Ebb			N.E.	E.N.E.	1			29.44	81	80	77		"	"	3	"
5				N.by E.	N.E.	1			29.48	81	80	77		"	"	6	"
6				"	Calm	0			29.50	81	80	76		"	"	7	"
7				N.N.E.	N.E.	2			29.81	81	80	75		b.c.	cir-cum	8	"
8				N.E. by N.	"	2			29.81	82	81	77		"	"	8	"
9	Slack Water			E.N.E.	"	2			29.82	84	83	78		"	"	8	"
10	Flood			S.E.	East	2			29.81	85	83	78		"	"	8	"
11				South	"	2			29.79	86	84	78		"	"	8	"
Noon.				S. by W.	"	2			29.78	87	85	78		"	"	8	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1 ton gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2350 "

Coal consumed during the preceding 24 hours, tons 1 lbs. 100

Coal remaining on hand at Noon, 100 " 106 "

P. M.																	
1	Flood			S. by W.	East	2			29.76	86	85	79		b.cum	cir-cum	4	S
2				S.	N.N.E.	2			29.73	84	83	80		"	"	4	"
3				South	"	2			29.71	88	86	79		"	"	4	"
4				S.W. by S.	"	1			29.70	88	84	80		"	"	5	"
5	Ebb			N.by E.	Calm	0			29.69	88	84	81		"	"	6	"
6				N.N.E.	N.E. by E.	3			29.69	88	84	80		b.cl.	Strat	5	"
7						2			29.70	89	86	79		bc		6	"
8				N.E. by N.	E.N.E.	2			29.70	86	85	78		"	"	6	"
Turning to the Flood				S.E. by E.	S.E. by E.	2			29.74	82	81	78		"	cum-str	6	"
10				South	E.S.E.	3			29.73	84	82	79		"	cir-str	5	"
11				"	"	3			29.73	83	82	76		"	cir-cum	5	"
Mid.				S. by W.	"	3			29.73	80	82	76		"	cir	5	"

nder the command of Commander T. F. Jewell, U. S. Navy,

Monday August 12, 1889.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Generally cloudy. Clearing towards end of watch. Light breez from South, hauling by West & at E.S.E. at end of watch. Raining very heavily from 12.30 to 1.00. Rowing to ebb at 4 A.M.

A.T. Dechtyn
Lieut U.S.N.

From 4 to 8 A.M.

Fair & warm. Hazy. Calms, light airs & light breys from N.E. Pumped bilge out. Ebb tide. Chinese man-of-war got underway at 5.00 & stood out.

Levis
Asst Surgn U.S.N.

From 8 A.M. to Meridian.

Clear & warm. Light breez from N.E. East. Went to general quarters at 9.20. Examined electrical apparatus & Dry gg cotter & found them to be in good condition. Cleaning wheel & painting 2d. cutter. Drying gun cotton. Overhauled hammocks.

W.B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.

Warm & partially cloudy. Light breez from East & N.N.E. Flood tide. Painting broad side battery & 2d. cutter. Engines & Steam Launch & Cook in double irons for two hours for leaving ship without permission.

A.T. Dechtyn
Lieut U.S.N.

From 4 to 8 P.M.

Partly clear. Warm. Made to light breez from N.E. by E. & N.E. Calm first hour. Mustered at quarters & stood out clean hammocks at 6.10.

W.B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight

Weather pleasant. Partially cloudy. Gentle breez from E.S.E. & S.E. by E. Flood tide.

A.T. Dechtyn
Lieut U.S.N.

Examined and found to be correct.

E.D. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.																	
1	Flood			S. by W.	East	2			29.71	28	1/2	6		b. c.	cu. cumn.	2	S
2						3			29.64	28	1/2	5				1	
3				S. by E.		3			29.66	28	1/2	6				1	
4				S. by E.		3			29.65	28	1	6				1	
5	Ebb			N. E.	E. N. E.	3			29.69	28	1/2	6		b. c.	cu. cumn.	3	
6				N. N. E.		3			29.64	28	1/2	6			cir. cumn.	4	
7						3			29.68	28	1/2	6				3	
8						3			29.68	28	1/2	6				3	
				N. E. by N.													
Lowering to				N. E.		3			29.70	28	1/2	6				1	
Lowering to	Flood			N. E.		3			29.70	28	1	6		b. c.		0	
11	Flood			S. E.		3			29.76	28	2/2	6		b. cu.		0	
Noon.				South		3			29.68	28	3/2	6				0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1950 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 99 " 1946 "

P. M.											
1	Flood	S. by W.	N. E.	3	29.65	28	1/2	6	b. cu.	cu. cumn.	0
2	"	S. by E.	N. N. E.	3	29.63	28	1/2	6	"	"	0
3	"	S. by E.	N. E. by N.	4	29.62	28	1/2	6	"	"	0
4	"	S. by E.	E. N. E.	4	29.62	28	1/2	6	b. cumn.	"	0
5	Ebb	N. N. E.	N. E.	3	29.61	28	1/2	6	b. cu.	cumn.	0
6	"	"	"	4	29.60	28	0	6	"	"	0
7	"	"	"	3	29.58	29	2/2	4	"	"	0
8	"	"	"	4	29.57	29	2/2	3	"	"	0
9	"	"	N. N. E.	4	29.57	29	1/2	3	"	"	0
10	"	"	"	4	29.55	29	1/2	2	"	"	0
Lowering to	Flood	N. E. by E.	"	4	29.55	29	1/2	2	b. c. g.	"	0
Mid.	"	South	"	4	29.55	29	1/2	2	"	"	0

under the command of Commander T. F. Jewett, U. S. Navy,
Tuesday August 2d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 1st Cutter & A. M.
Cloudy. Gentle breeze from East. Flood tide. Noon sets at 3 o'clock.
F. F. Loomis
Ensign U. S. N.

From 4 to 8 A. M.
Primary cloudy. Pleasant. Gentle breeze from E. N. E.
W. B. Hoggatt
Ensign U. S. N.

From 8 A. M. to Meridian.
Primary cloudy. Pleasant. Gentle breeze from E. N. E. At 10: Sounding the lead. At 9: inspected at quarters. Turned in & sent hammocks ashore to be scrubbed. Drilled 1st Div. at Single sticks 2d Rifles 3d Single sticks, Powder Rifle. At 9:40 called all hands to muster & read sentence of Genl Court Martial in the case of J. O'Brien P.M. of U. S. S. Monocacy. Lost overboard main mast head cover. Engaged painting broadside battery.
C. A. T. Jewett
Lieut U. S. N.

From Meridian to 4 P. M.
Overcast & cloudy. Misty. Passing showers last hour. Light breeze from N. E. & N. N. E. increasing to moderate breeze last two hours first N. E. by N. & E. N. E. Equally. Flood tide. Sailmakers Mate engaged in making new main mast head cover. Sent mail ashore.
F. F. Loomis
Ensign U. S. N.

From 4 to 8 P. M.
Overcast cloudy & rainy. Gentle to moderate breeze from N. E. Ebb tide.
A. T. Dewitt
Lieut U. S. N.

From 8 P. M. to Midnight
Overcast with very light drizzling rain at times. Moderate breeze from N. N. E. At 11:00 leaving to flood tide.
F. F. Loomis
Ensign U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut U. S. N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1			Fleet	S by W.	N N E	4			29.53	78	77	73		o c q d.	cumuli	0	S
2		"			"	4			29.50	78	78	73		o c q.	"	0	"
3		"		S"	"	4			29.48	82	80	73		o c q d.	"	0	"
4		"		South	"	3.5			29.45	82	80	74		o c q.	"	0	"
5		"		S S E	"	3.4			29.42	82	80	74		b c q.	cu nim cumuli	1	"
6		Ebb		N N E	"	3.4			29.43	82	80	74		b c q d.	"	1	"
7		"		N by E.	"	3			29.43	82	80	75		o c r.	cumuli	0	"
8		"			"	3			29.43	82	80	75			"	0	"
9		"		N N E.	"	3			29.42	82	80	75		o c p.	"	0	S
10		"		N by E.	"	3			29.42	80	79	76		"	"	0	"
11		"			"	3			29.42	82	80	74		"	cumuli	0	"
Noon	Steering to Fleet			S W.	"	3			29.40	82	81	74		"	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, Fires gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1550 "

Coal consumed during the preceding 24 hours, tons 100 lbs.

Coal remaining on hand at Noon, 99 " 1546 "

P. M.											
1	Fleet	S by W.	N N E	3	29.38	82	81	74	o c p.	cumuli	0	S
2	"	S W by S.	"	3	29.38	81	81	74	"	"	0	"
3	"	S S W.	"	3	29.36	81	80	76	b c d.	"	1	"
4	"	"	"	3	29.34	81	80	76	b c.	"	1	"
Steering to Ebb		"	N by E.	3	29.34	81	80	76	"	cumuli	1	"
6	Ebb	N N E.	"	3	29.35	82	80	74	b c p.	"	1	"
7	"	N by E.	"	3	29.34	82	80	76	"	"	1	"
8	"	"	"	3	29.34	81	80	75	"	"	1	"
9	"	N N E.	"	3	29.34	80	79	75	o c d.	cumuli	1	"
10	"	N by E.	N N E.	3	29.34	80	79	75	o c p.	"	0	"
11	"	North	North	4	29.34	79	79	75	"	"	0	"
Steering to Fleet	N W by W.		"	4	29.34	79	78	75	o c.	"	0	"

under the command of Commander P. F. Harris, U. S. Navy,
Wednesday August 3d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Overcast and cloudy. Moderate breeze from N.N.E. with stiff squalls last hour. Rain first two hours. Barometer falling gradually.

From 4 to 8 A.M. Naval Cadt. U.S.N.
Cloudy and raining. Gentle to moderate breeze from N.N.E. Sounding to ebb, at 5.30.

From 8 A.M. to Meridian. Lieut. U.S.N.
Overcast and cloudy with light passing showers of rain. Gentle breeze from N.N.E. Sailmakers Mate engaged in making main-mast head cover. At 12: Sounding to flood tide.

From Meridian to 4 P.M. Surgn U.S.N.
Cloudy with light passing rain. Gentle breeze from N. by E. Barometer falling. Sailmakers Mate at work on mast head cover. Received U.S. Minister to Corea on board.

From 4 to 8 P.M. Naval Cadt. U.S.N.
Cloudy with passing showers last half of watch. Gentle breeze from N. by E. At 5. Sounding to ebb tide. Mail Steamer left the Harbor. Disorder of Guard Officer placed Private Battle Co. C, in cell on bread and water for two days for threatening the Corporal of Guard.

From 8 P.M. to Midnight Surgn U.S.N.
Overcast and cloudy with light passing showers. Gentle breeze from N. by E. first half. Moderate breeze from North last half of watch. Sounding to flood at end of watch.

Naval Cadt U.S.N.

Examined and found to be correct.

Galloway Lieut Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1	Flood			S.S.W.	N.N.E.	3-4			29.32	59	70	64		b.c.	Cumulus	0	S
2	"			S.S.W.	"	3-4			29.36	49	58	54		"	"	0	"
3	"			"	"	3-4			29.36	49	58	54		"	"	0	"
4	"			"	"	2			29.36	48	58	54		b.cl.	"	0	"
5	"			S.by.W.	N.by.E.	2			29.34	48	58	54		b.c.r.	Cumulus	0	"
6	"			S.W.by.S.	N.W.	2			29.32	48	58	54		"	"	0	"
Rowing to	Ebb			North		2			29.30	46	64	54		"	"	0	"
8	Ebb			N.by.E.	N.N.W.	1-0			29.41	46	62	54		"	"	0	"
9	"			"	Calm	0			29.43	46	62	54		"	"	0	"
10	"			N.N.E.	"	0			29.46	48	62	54		"	"	0	"
11	"			North	N.N.W.	1			29.44	50	62	54		b.c.	"	0	"
Noon. Rowing to	the	Flood		S.W.	"	1			29.46	46	62	52	53	"	"	0	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1100 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1150 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 99 " 1146 "

P. M.												
1	Flood	S.S.W.	W.by.N.	2	29.46	62	62	54	b.c.d.	Cumulus	0	S
2	"	"	West	2	29.42	62	62	54	b.c.f.	Cumulus	1	"
3	"	"	"	2	29.40	62	62	54	"	"	1	"
4	"	"	"	3	29.40	62	62	54	"	"	1	"
5	"	"	"	3	29.40	62	62	54	b.c.	"	2	"
6	Ebb	S.W.	W.S.W.	3	29.40	62	62	54	b.c.f.	"	2	"
7	"	W.by.W.	"	3	29.42	62	62	54	b.c.	"	1	"
8	"	North	"	3	29.50	62	62	54	"	"	2	"
9	"	"	"	3	29.50	62	62	54	b.c.f.	Cumulus	2	"
10	"	"	"	2	29.51	62	62	54	b.c.	"	2	"
Rowing to	Flood	West	"	2	29.51	62	62	54	"	"	2	"
Mid.	Flood	S.W.	"	3	29.51	62	62	54	"	"	3	"

under the command of Commander N. J. Jewell, U. S. Navy,

Thursday August 4th, 185[illegible].

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A. M.

Overcast with cum.& nimb. clouds. Drizzling rain last hour. Gentle to moderate breeze from N. N. E. Riding to flood at 4 h 6 flood set N. N. E. 2.3 knots.

H. L. Townsend.

From 4 to 8 A. M. Ensign U. S. N.

Overcast & raining. Light breeze from N. by E. gradually hauling to N. N. W. Nimbus clouds at 7. Strong to blk. Received on Pay Dept for issue to crew 128 lbs each fresh beef & vegetables & 30 lbs bread.

R. T. Soomer
Ensign U. S. N.

From 8. A. M. to Meridian

Overcast & cloudy with steady rain first two hours. Calm and light air from N. N. W. Strong to flood at 11.40. Carpenter's gang at work on binnacles.

D. H. Lewis
Acting Asst Surg U. S. N.

From Meridian to 4 P. M.

Cloudy, overcast 1st hour drizzling, frequent passing showers afterwards clouds cum.& nimb. Light to gentle breeze from W. by N. & West. At 1 h 6, H. I. R. M. S. Steamer 'Cadmus' came in & anchored. Sent an officer to exchange usual courtesies. Put on mast yard & top covers. Comdg Officer of H. I. R. M. S. "Steamer 'Cadmus' called on board. Riding to flood tide. At end of watch, flood set N. N. E, 2.c Knots.

H. L. Townsend
Ensign U. S. N.

From 4 to 8 P. M.

Cloudy with a passing shower during hour. Gentle breeze from W. S. W. Comdg officer left ship to pay official visit to the Russian man of war "Svaviotl." Strong to blk at 6.30. At 6. on started fires in boilers Nos 1 & 3 for Distilling.

F. A. Lewis
Acting Asst Surg U. S. N.

From 8. P. M. to Midnight

Cloudy with passing showers 1st hour. Moon shining occasionally latter part. Clouds cum.& nimb. Light to gentle breeze from W. S. W. At 9 h. blk set S by E, 2.0 Knots. Slack water at 10 h. Strong to flood at 11 h. Transferred fires from boilers 1 & 3 to boilers 2 & 4 & got ready for Distilling!

H. L. Townsend
Ensign U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1	Flood			S.W. by S.	W. by W.	4			29.57	4/4/6	64			b.c.	cir. cumu	4	S
2	"			"	West	4			29.51	4/4/6	64			"	"	4	"
3	"			W. by S.	W. by W.	4			29.51	4/4/6	64			"	"	3	"
4	"			S. by W.	"	4			29.51	4/4/6	64			b.c.p.	cirrus	2	"
5	"			"	"	3			29.51	2/6	64			b.c.p.	"	0	"
6	"			S.W. by S.	West	4			29.53	4/6	65			b.c.p.	cir. cumu	2	1
Standing by	to Ebb			W. by W.	"	3			29.54	4/6	65			b.c.	"	1	"
8	Ebb			North	"	4			29.55	4/6	65			"	"	2	"
9	"			"	East	3			29.52	4/4/6	65			"	"	2	"
10	"			"	"	3			29.58	4/8/4/6	65			b.c.d.	"	2	"
11	"			N. by E.	N. by E.	2			29.58	4/9/4/6	65			b.c.	"	3	"
Noon.	"			N. W.	N. W.	2			29.58	8/4/6	6			"	"	3	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 4/00 gallons.

Water Distilled during the preceding 24 hours, 500 "

Water remaining on hand fit for use at Noon, 12150 "

Coal consumed during the preceding 24 hours, 1 tons 1200 lbs.

Coal remaining on hand at Noon, 94 " 2186 "

P. M.											
1	Flood	S.W. by S.	West	2	29.68/8/0/4/4	b.c.	cir. cumu	3	S
2	"	"	"	3	29.68/8/0/4/4	"	"	3	"
3	"	S. by W.	"	4	29.58/0/4/4/6	"	"	3	"
4	"	S. by W.	"	4	29.68/1/4/4/4	"	"	4	"
5	"	S.W. by S.	"	4	29.68/0/4/4/6	"	"	4	"
6	"	S. by W.	W. by W.	4	29.55/4/4/4/5	"	"	3	"
7	Slack Water	West	"	4	29.54/4/4/4/5	b.c.p.	"	2	"
8	Ebb	N. by W.	"	4	29.54/4/4/4/5	"	cumu	2	"
9	"	North	West	4	29.54/4/4/4/5	b.c.d.	cum. cumu	0	"
10	"	"	"	3	29.50/4/4/4/5	"	"	0	"
11	"	N. by W.	"	4	29.55/4/4/4/5	b.c.	"	0	"
Standing by	to Flood	S.W. by W.	"	4	29.54/4/6/4/3	"	"	0	"

under the command of Commander R. F. Stevens, U. S. Navy,

Friday August 5th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From 4 to 8 A.M.

Commences with Cutie & A.M.

Passing shower at end of watch. Partly clear. Moderate breeze from W.S.W. to W.N.W. Began distilling.

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 A.M.

Cloudy with slight showers first two hours. Moderate to gentle Ely breeze. Strung to ebb at 6.30a. Cleaned bilges. Crossed top gallant yards. Distilling.

H.E.A. Lewis
Asst Surgt U.S.N.

From 8 A.M. to Meridian

Partly clear, bright & warm. Light drizzle 2d hour. Cloudy cir-cumn. Gentle breeze from East 1st part. Light airs to breeze from N. by E. to N.W. afterwards. At 9.30, went to quarters for inspection after which drilled as follows: 1st Div. Single Sticks, 2d Rifles, 3d, Machine Guns & Powder Stations. H.B.M.'s Chargé d'Affaires in Korea called on board. Riding to ebb. Tide slacked at 11.30. Swinging at end of watch. At 8.30, ebb set S. by E. 1.8 knots. Cond'g Officer & U.S. Minister to Korea left the ship. Distilling.

N. C. Brownstone
Ensign U.S.N.

From Meridian to 4 P.M.

Partly clear. Pleasant. Light to moderate breeze from West at 2.15 Chinese Gunboat came in & anchored in outer harbor. At 3.30 went into inner harbor. Sent boarding officer. By order of Cond'g Officer placed Wm. Richards 1st A.2.C. under sentry's charge to await further action for being drunk on duty & resisting the Corporal of the Guard and using abusive and disrespectful language to same. Scraped spars. Distilling. Quarterly Board of Survey condemned 1# Sausage meat which was thrown overboard by order of the Cond'g Officer.

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 P.M.

Partly clear with cir-cumn. Continued cloudy. Passing showers latter part. Moderate breeze from West & W.S.W. Cond'g Officer & U.S. Minister to Korea called on H.I.R.M.S. Seaworter, & the latter was saluted with 13 guns on leaving. Sent an officer to thank the Cond'g Officer of the Seaworter for Salute to U.S. Minister. Finished scraping spars. Released J. Bottke 1st A.1.C. this time for which he was confined having expired. W. Richards 1st A.2.C. was released from sentry's charge & went to Fife Quarters at 6.45, ready with 4 streams in 1 1/2". At 4.30 flood set N.N.E. 2.0 knots. Slack water at 6.30. Swung to ebb at 8.15. Distilling.

N. C. Brownstone
Ensign U.S.N.

From 8 P.M. to Midnight

Overcast. Drizzling rain first half; raining last half. Gentle to moderate breeze from West. Distilling.

W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

C.D. Calloway Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Flood			S.W.	West	4			29.54	44	45	44		o.cgr.	cumuli	0	S
2				S.W. by S.	"	3			29.54	44	46	45		o.c.	"	0	"
3		"		"	"	3			29.52	44	46	45		"	"	0	"
4		"		"	"	3			29.53	44	44	46		b.c.	cir-cumu	1	"
5		"		S" Sw.	N"	3			29.52	44	44	45		"	"	2	"
6		"		S by W.	North	1			29.56	46	46	48		b.cr.	"	2	"
7	Slack			S by E.		1			29.58	46	45	43		b.c.	cir cumu	4	"
8	Ebb			N. N. E.	N" N. E.	2			29.60	44	46	42		"	"	4	"
9		"		N. by E.	North	2			29.61	44	46	43		"	cumu	6	"
10		"		N. N. E.	"	2			29.62	49	48	44		"	"	5	"
11		"		N. by E.		2			29.62	48	48	45		"	"	3	"
Noon.		"		N. N. E.	N. E.	2			29.65	49	48	45		"	"	3	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 4 or gallons.

Water Distilled during the preceding 24 hours, 1 or "

Water remaining on hand fit for use at Noon, 2550 "

Coal consumed during the preceding 24 hours, 1 tons, 200 lbs.

Coal remaining on hand at Noon, 96 " 986 "

P. M.																	
1	Flood			S.E. by E.	S. by E.	2			29.69	82	80	76		b.c.	cumu	3	S
2		"		S. by W.					29.69	82	81	76		"	cir cumu	6	"
3		"		S. S. W.	S. W. by S.	2			29.69	83	81	78		"	"	5	"
4		"		S. W. by S.	East	3			29.66	82	81	78		b.cr.	cumu nimb	3	"
5		"		S. S. W.					29.68	82	80	74		"	cir cumu	5	"
6		"		S. by W.	Calm	0			29.68	82	80	74		b.c.	"	5	"
7		"			"	0			29.68	81	79	77		"	"	4	"
8	Swinging to Ebb			N" by E.	"	0			29.68	79	79	77		"	"	9	"
9		"		"	"	0			29.69	79	78	76		"	"	9	"
10		"		"	"	0			29.68	80	79	77		"		8	"
11		"		"	"	0			29.71	80	79	77		"	"	9	"
Mid.		"		Moored	"	0			29.72	80	79	77		"	"	4	"

under the command of Commander T. F. Jewell, U. S. Navy,

Saturday August 6th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Mostly A. M.
Cloudy & rainy. Little to moderate breeze from West. Flood tide. Strength of current at end of watch 2 knots, setting N. N. E. Distilling.

A. F. Fechteler
Lieut U. S. N.

From 4 to 8 A. M.
Partly clear, with exception of mid clouds. Passing showers 2d hour. Little breeze from West 1st hour. Light airs to breeze from North & N. E. afterwards. Riding to flood tide 6th, when tide slacked at 7h commenced swinging to ebb, finished at 7h 20m. At end of watch, ebb set S by W. 1.8 knots. Distilling.

H. L. Townsend
Ensign U. S. N.

From 8 A. M. to Meridian.
Partly clear. Light breeze from North & N. E. At 9 to recall to quarters for inspection of clothing. Officer from Chinese Gunboat made an official visit also the Japanese Consul. Distilling. Ebb tide.

W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P. M.
Clear & pleasant first three hours, cloudy last hour & raining at end of watch. Light breeze from S by E & S. W by S. Mostly S to when it shifted suddenly in a rain squall to East. Ship swung to flood tide at 1 or. Distilling.

A. F. Fechteler
Lieut U. S. N.

From 4 to 8 P. M.
Generally clear. Hazy. Passing showers first hour. Light airs from East first hour. calm remainder. The U. S. Minister to Corea left the ship. Stopped Distilling and hauled fires.

W. B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight
Clear & calm. Bright moonlight. Ebb tide

A. F. Fechteler
Lieut U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Memphis.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.																	
1	Flood			South	Calm	0			29.80	80	82	76		b.c.	cir cum	2	S
2	"			S. by W.	"	0			29.80	80	82	76		"	"	9	"
3	"			S. W.	North	1			29.80	79	82	74		"	"	6	"
4	"			S. by W.	"	1			29.80	80	82	76		"	"	6	"
5	"				Calm	0			29.80	80	82	76		b.c.	"	2	"
6	"				S. E.	1			29.80	82	82	75		"	"	2	"
7	"			S. by E.	Calm	0			29.80	80	82	76		"	"	8	"
8	Slacking to Ebb			N. E. by E.	S. E.	1			29.80	80	76	76		"	"	8	"
9	Ebb			North	South	1			29.80	80	82	76		b.cu.	"	2	"
10	"			"	"	1			29.80	80	80	76		"	"	2	"
11	"			"	West	1			29.81	80	80	76		"	"	2	"
Noon.	"			"	"	1			29.82	80	80	76		"	"	6	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 4[illegible] gallons.

Water Distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at Noon, 24[illegible]50 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 95 " 2026 "

P. M.	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
	1	Slack Water			East	S. W.	2			29.82	80	74	76		b.c.	cum	9	S
	2	Flood			S. S. W.	"	2			29.82	83	78			"	"	9	"
	3	"			"	West	2			29.82	83	82	78		"	"	9	"
	4	"			"	"	2			29.81	83	82	78		"	"	8	"
	5	"			"	"	2			29.81	83	82	78		"	"	5	"
	6	"			"	"	2			29.80	83	82	74		"	cu-cb	6	"
	7	Slacking to Ebb			S. W. by S.	"	2			29.80	81	80	76		"	"	5	"
	8	Ebb			S. E. by E.	"	2			29.78	81	80	76		"	cum	5	"
	9	"			North	W. N. W.	1			29.80	81	80	76		"	cir cum	6	"
	10	"			N. N. E.	East	1			29.82	81	80	76		"	"	6	"
	11	"			North	"	1			29.84	81	80	74		"	"	2	"
	Mid.	"			"	"	1			29.85	81	80	74		"	"	8	"

under the command of Commander T. F. Jewell, U. S. Navy,

Sunday August 1st, 1880.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.
Clear & pleasant. Calm first half, light airs from North last half.
Bright moonlight. Flood tide.

F. J. Loomis
Ensign U. S. N.

From 4 to 8 A.M.
Fair & hazy. Calm & light airs from S.E. Lost overboard one hammock hood. Received 128½ lbs fresh beef & vegetables & 103 lbs bread.

W. B. Hoggatt
Ensign U. S. N.

From 8 A.M. to Meridian
Clear & pleasant. Light airs from South & West. Flood tide. At 10 00 the Commander inspected ship's crew at quarters. Immediately after called all hands to muster read Articles of War & mustered crew. By order of Commander placed Wm. Richards, O.S. 2 C. in double irons for ten days for insubordination & petitting Corporal of Guard.

A. T. Mahan
Lieut U. S. N.

From Meridian to 4 P.M.
Clear warm & pleasant. Light breze from N.E. first half and West last half. At 1: Strong to flood tide.

F. J. Loomis
Ensign U. S. N.

From 4 to 8 P.M.
Clear & pleasant. Light breze from West. At 5: Strong to ebb.

A. T. Mahan
Lieut U. S. N.

From 8 P.M. to Midnight
Clear & pleasant & cool weather. Bright starlight & moonlight. Light airs from W.N.W. first hours & East remainder of watch. At 8: on Strong to ebb. Made sail at 9.10

F. J. Loomis
Ensign U. S. N.

Examined and found to be correct.

A. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES, Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Ebb			N by E.	Calm	0			29.85	80	79	76		b.c.	cirrus	9	S
2	Flood			S by W.	"	0			29.85	79	78	76		"	"	9	"
3	"			S S W.	"	0			29.85	79	78	76		"	"	9	"
4	"			S by W.	"	0			29.85	79	78	76		"	"	9	"
5	"			S by W.	S by E.	1			29.85	79	77	76		"	"	8	"
6	"			South	"	1			29.84	78	77	75		"	"	7	"
7	"			S S E	S S E	1			29.89	80	78	76		"	"	7	"
8	Ebb			N N E.	"	1			29.90	81	79	77		"	"	6	"
9	"			"	"	1			29.89	80	79	77		b.c.	"	4	"
10	"			North	"	1			29.90	80	80	77		"	"	4	"
11	"			"	"	1			29.92	81	80	77		"	"	4	"
Noon.	"				"	1			29.92	81	81	77		"	"	4	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 401 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2350 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 95 " 1626 "

P. M.										
1	Ebb	N N W.	W. S W.	1	29.91	81	80	78	b.c. cir cum	S
Stopping to Flood		S W.	W. N W.	3	29.91	82	81	78	" "	5 "
3	Flood	S S W.	W. S W.	2	29.90	83	81	78	" "	5 "
4	"	"	"	2	29.89	83	82	78	" "	6 "
5	"	"	"	3	29.88	83	82	79	b.c. "	9 "
6	"	"	West	2	29.89	83	81	78	" "	8 "
7	"	S by W.	"	2	29.89	82	80	77	" "	8 "
8	"	S S W.	W. S W.	1	29.86	81	80	77	" "	8 "
9	Ebb	North	"	1	29.86	81	80	77	d. mist	8 "
10	"	N by E.	"	1	29.88	80	80	77	b.c. cir cum	9 "
11	"	North	"	1	29.88	80	79	77	" "	9 "
Mid.	"		"	1	29.89	79	79	76	" "	8 "

under the command of Commander T. F. Jewett, U. S. Navy,
Monday August 8th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Latitude A.M.
Clear and pleasant. Calm. Barometer steady. Crowing to flood at 11.30.

From 4 to 8 A.M. Naval Cadet C. S.K.
Clear. Calm and light air from SbyE. Flood tide. At 5 called all hands and bent foresail, topsails, jt. spanker and main trypail.

From 8 A.M. to Meridian. A.F. Leonard Ensign U.S.N.
Fair and coarse. Slight haze. Light air from SSE. At 9.30 beat to Quarters, exercised Divisions at Quarters and tested magazine flood cocks. Took mooring subject off and unbent starboard chain from starboard sheet anchor. Carpenters gang at work over the bows. Sailmakers gang at work on mast head cover. Crowing to ebb at 8.20. Clear hawse.

From Meridian to 4 P.M. Naval Cadet C. S.K.
Partly clear with cirrus clouds. Hazy around horizon. Light airs to breeze from W.S.W. Light to gentle W.N.W. breeze afterwards. Received clean hammocks from shore. Overhauled steering gear and found it in good order. Unmoored ship and hove in to the full on port chain. Slack coaster at 12 M. Commenced scouring to flood at 1 P.M. Rob between wind and tide this P.M. when crowing to flood.

H. L. Poundstone
Ensign U.S.N.

From 4 to 8 P.M.
Clear and pleasant. Gentle breeze to light air from W.S.W. to West. Preparing ship for sea. C. Dupuy, Ships Corpl and Al Young Str. were confined in Double irons for three days for fighting. Flood tide.

From 8 P.M. to Midnight Naval Cadet C. S.K.
Generally clear with light air cirrus clouds after 1st hour. Bright starlight. Moon rose at 9 P.M. Flood slacked at 8.30 P.M. Crowing to ebb at 9 P.M. At end of watch ebb set South, 1 knot.

H. L. Poundstone
Ensign U.S.N.

Examined and found to be correct.

C. D. Galloway Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N. N. E.	W. N. W.	1			29.92	79	82	76		hazy	cirrus	2	S
Lowering to	Flood			S. E. by E.	S.	1			29.92	79	82	76		"	"	0	"
3	Flood			S. S. W.	South	1			29.92	79	82	76		"	"	5	"
4		"		S. by W.	S. E.	1			29.91	79	82	76		"	"	4	"
5		"		"	S. S. E.	1			29.92	78	82	76		"	"	2	"
6		"		"	S. S. E.	1			29.93	78	82	75		"	"	2	"
7		"		S.	Calm	0			29.92	79	82	77		"	"	6	"
Lat 37° 28' N		"		South	West	1			29.92	79	82	77		"		3	"
Long 126° 36' E Square 1010	9	3	2	9.2	S. S. W. 3/4 W.	Calm	0		29.98	79	76	76		hazy	"	0	"
	10	8	3	105.5	S. W. by S.	"	0		29.98	81	79	76		"	"	2	"
	11	8	2	13.7	S. W.	Variable	1		29.98	82	80	76	75	"	"	5	"
	Noon.	8	5	22.2	W. S. W.	"	1		29.98	82	80	76	75	"	"	8	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by 16. 32 ° 05 ' "
- Longitude by 125 ° 30 ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1950 "

Coal consumed during the preceding 24 hours, 4 tons 1215 lbs.

Coal remaining on hand at Noon, 91 " 411 "

P. M.	3	6															
1	2	7		W. S. W. W. by W.	Calm	0			30.02	81	80	76		hazy	cirrus	2	S
2	5	2		N. W. by W.	"	0			30.05	82	80	76		"	"	2	"
3				anchored W. No. W.	"	0			30.04	82	80	76		"	"	6	"
4				W. by S.	"	0			30.04	82	81	76		"	"	6	"
5				W. S. W.	"	0			29.94	83	82	78		"	"	2	"
6	4	0	4.1	W. N. W. 3/4 W.	"	0			29.92	82	81	76		"	"	2	"
7	8	0	18.1	"	"	0			29.91	80	79	76	75	"	"	2	"
8	2	9	56.0	"	"	0			29.90	79	79	76	75	"	"	8	"
9	2	8	63.8	"	"	0			29.88	81	80	78	76	hazy	"	8	"
10	2	2	41.5	"	W. S. W.	1			29.89	81	80	78	76	"	"	8	"
Lat 37.09	11	2	5	49.0	"	"	1			29.90	80	80	79	78	"	"	8	"
Long 125° E Square 1009	Mid.	2	4	86.1	"	"	1			29.90	80	80	79	78	"	"	9	"

under the command of Commander T. F. Jewett, U. S. Navy,

Tuesday August 9th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends H. A. M.

Partly clear, hazy. Light airs from N. W. & S. E.

W. B. Hoggatt
Ensign U. S. N.

From H. to 8. A. M.

Clear & warm. Calm & light airs from S. E. & S. S. E. Flood tide. At 4. started fires in six boilers. Completed preparations for sea.

L. A. Dapray
Lieut U. S. N.

From 8. A. M. to Meridian

Fair to clear weather. Calms & light variable airs. Steaming South Salee Island Passage at noon Semmes Shoal beacon bore abeam & to Chasseloup Laubat bore broad off starboard bow. Course W. S. W. Fitting gun targets Draft of ship forward 18' aft 15' 10"

Ensign U. S. N.

From Meridian to 4 P. M.

Partly clear with cirro cumulus clouds. Hazy around horizon. Bright & warm. Calm. Steaming through & out of Prince Imperial Archipelago till 1 o'c. at 1 20, beat to Quarters for target practice. at 1 31, got target inboard & commenced firing with 8" rifle guns, at 1 41, after 10 inch, at 2 20, anchored with a sludge in 9 fms soft bottom & held Small Arm Target Practice, targets laid out by Whale Boat and Dinghy. Expended in Ordnance Dept 3 3" 15. Charges & Bags 5 8" Friction Primers 5 Mk. VI Elec. Primers, 3 Rifle Shell, 12 10 in Charges & Bags, 15 Quick Fire Primers, 12 5" Shell, 2 12 lb Charges & Bags, 2 3" Shell, 15 Met. Friction Primers 1200 Cal. 45 Cartridges, 500 Gun (Hotchkiss Guns) Cartridges, 300 Cal. 38 Cartridges. Hauled fires from furnaces & 4 at 2 30. Picked battery for sea. Bearings of anchorage from Fort Rock N. by E. Signal Target Shoal near Island (Channel Laubat) 5 1/8 N.

N. C. Bowers
Ensign U. S. N.

From 4 to 6 P. M.

Partly clear, hazy, warm. Calm. Finished small arm target practice. At 5.10 called all hands up anchor got underway, picked up small arm target & at 5.30 went ahead on course W. N. W. 1/4 W. at end of watch Islands in sight on port beam & quarter & on starboard quarter. Took departure from bearing of anchorage.

W. B. Hoggatt
Ensign U. S. N.

From 6 to 8. P. M.

Clear & calm. Slightly hazy around horizon. Course W. N. W. 3/4 W. Under steam alone.

A. F. Fechteler
Lieut U. S. N.

From 8. P. M. to Midnight

Clear, cool & pleasant. Light airs from W. S. W. Smooth sea. Steaming course W. N. W. 3/4 W. No sails set. P. Knee 86. at end of watch.

J. D. Ford
Ensign U. S. N.

Examined and found to be correct.

C. P. Calloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Sea making passage to Chifoo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	1	93.5	W.N.W. 3/4 W.	S.W. by W.	2			29.908	0	79	76	79	f.cd.	cir cum	5	S.
2	7	4	1.9	"	S. S.W.	2			29.908	0	79	76	80	"	"	5	"
3	7	4	8.3	"	"	2-3			29.888	0	79	76	80	"	"	7	"
4	7	9	16.2	"	"	3			29.888	0	79	76	80	"	"	8	"
5	7	5	23.7	"	"	3			29.898	0	79	76	80	"	"	7	"
6	7	5	31.2	"	"	3			29.918	0	79	76	80	"	"	6	"
7	8	4	39.6	"	"	3			29.918	0	79	76	80	b.ch.	"	6	"
8	8	0	47.6	"	"	3			29.918	1	80	76	80	b.c.	"	7	"
9	8	1	55.7	"	South	3			29.928	1	80	76	80	"	"	7	"
10	8	6	64.3	"	"	3			29.928	1	80	77	80	"	"	7	"
11	8	5	72.8	"	"	3			29.918	1	80	76	80	"	"	8	"
Noon.	10	6	83.4	"	"	3			29.908	1	80	77	80	"	"	9	"

Course and distance made good since ~~preceding noon by observations~~ Departure 145 knots. tenths.

Position at Noon:	Latitude by D. R.	N	37	25.
	Longitude by D. R.	E	122	43.
	Latitude by observations of ⊙	N	37	25
	Longitude by chronometer from Forenoon Observations of ⊙	E	122	56.
Position at 8 a. m.	Latitude by	N	37	20.
	Longitude by	E	123	41.
Position at 8 P. M.	Latitude by			
	Longitude by			

Current during the time, 7 knots tenths per hour, setting to the E. 3/4 S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head

Variation of the Compass by Amplitude ⊙ observed at Sunset, "

Variation of the Compass by Azimuth ⊙ observed at "

Variation of the Compass by Azimuth ⊙ observed at 7 24 0 " 3° 7' " W

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 10550 "

Coal consumed during the preceding 24 hours, 9 tons 2085 lbs.

Coal remaining on hand at Noon, 81 " 566 "

P. M.																	
1	8	6	92.0	W.N.W. 3/4 W.	South	3			29.8	1	80	78	79	b.c.	cir cum	9	S.
2	9	4	1.4	"	"	3			29.8	1	78	76	79	b.cum	"	8	"
3	9	2	11.1	"	"	3			29.8	1	79	76	79	b.c.	"	7	"
4	8	1	19.2	W.N.W. 1/4 W.	S.W.	3			29.8	1	80	76	79	"	"	7	"
5	7	7	28.0	W. 1/2 S.	S. S.W. 3/4	3			29.8	1	80	76	78	"	"	6	"
6	7	8	35.0	"	S.W. by S.	3			29.8	2	80	76	78	"	"	6	"
7	7	0	42.0	W. S.W. 1/4 W.	"	3			29.8	0	82	76	78	"	"	5	"
8	7	0	52.0	W. 1/2 N.	"	2			29.8	0	81	80	76	b.cum	"	4	"
9	Ship's Head			South	South	2			29.8	4	79	78	75	"	"	8	"
10				"	"	2			29.8	5	79	79	76	"	"	8	"
11				"	"	2			29.8	3	79	79	76	"	"	5	"
Mid.				S. by E.	"	2			29.8	2	78	78	76	"	"	5	"

under the command of Commander T. F. Jewett, U. S. Navy,

Wednesday August 10th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and Noted at A. M.

Generally clear with cirrus clouds. Bright starlight & moonlight. Wet heavy dew. Light breeze from S.W. by W. 1st hour, light to gentle breeze from S. & S.W. afterwards. At 12m, set foresail & aft sails. At 2h, set foresail & at 2h 30m, topsails & topgallant sails. At end of watch, under steam and plain sail to topgallant sails except mainsail, on course W.N.W. 3/4 W. Smooth sea and moderate ocean swell from S.W. Ship rolling easily.

W. C. Cornthwaite
Ensign U.S.N.

From 4 to 8 A.M.

Generally clear. Light passing showers at third hour. Gentle breeze from S.S.W. Passed a foreign barque standing to the Eastward. At end of watch on course W.N.W. 3/4 W. under steam & plain sail to topgallant sails except mainsail. Smooth sea. Gentle ocean swell from S.W.

W. B. Hoggatt
Ensign U.S.N.

From 8 A.M. to Meridian

Weather pleasant. Slightly hazy. Gentle breeze from South. At 9h 30m cleared at quarters & exercised 1st div at Great Gun, 2d at Great Gun, 3d at Great Gun, Cutter at Machine Gun. At 11h sighted land ~~Chautauqua Point~~ on port bow. At 11h 30m sighted Alcatraz Island on port bow. Course W.N.W. 3/4 W.

A. T. Beckwith
Lieut U.S.N.

From Meridian to 4 P.M.

Clear, warm & pleasant. Hazy, around horizon. Gentle breeze from South hauling to S.W. last hour. Course W.N.W. 3/4 W. until 3h 52m when changed to W.N.W. 3/4 W. Plain sail to topgallant sails steaming with four boilers. At 3h 50m Alcatraz Island bore from Fort S.W. 1/2 W. Yerba Buena Island S.E. by E. 1/2 E. Fort 2 to 3 miles. At end of watch.

F. J. Lemly
Ensign U.S.N.

From 4 to 6 P.M.

Generally clear with cirrus clouds. Gentle to moderate breeze from S.S.W. to S. by W. Smooth sea. Ship steady. At 4h 15m Cape Mendocino (Light) bore abeam (by) S. by W. 3/4 W. At 4h 55m changed course to W. by S. 1/2 S. Eddy Point (Light) bearing South (by) Cape Mendocino S.E. 1/2 E. (Light). Took in and furled topsails & light sails. At end of watch on course W. by S. under steam & sail & foresail. Land in sight on starboard bow, ahead & all along Port side.

A. C. Rhoades
Ensign U.S.N.

From 6 to 8 P.M.

Partly clear. Lightning to N.E. & W. last hour. Moderate to gentle breeze from S.S.W. & S.W. At 6:15 mustered at quarters. Sent down topgallant yards & mizzen gaff & crossed the yards again. At 6:40 changed course to W.S.W. 1/2 W. & at 7:05 to W. by N. & at 7:10 took in foresail. At 7h 20m made out Light for Pt. Reyes at end of watch it bore (by) N.W. 3/4 W. Under jib, mainsail & spanker and steam.

W. B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight

Clear & pleasant. Light breeze from South. At 8 to called all hands & trimmed ship to anchor. At 8h 30m anchored in 5 fms of water with 20 fms on port chain. Light Point Reyes light bearing N. 1/2 E. distant 8 miles. At 8:40 took in foresail & aft sails. Banked fires. Light for Pt. Reyes N. 1/2 E. Dist 3 miles. Draft of ship forward 15' 6" aft 15' 8".

A. T. Beckwith
Lieut U.S.N.

Examined and found to be correct.

E. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor off Chefoo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1				S. by W.	S. by W.	2			29.80	48	48	46		b. c.	cir cum	4	S
2				S. S. W.	South	1			29.80	48	48	46		"	"	5	"
3				S. by W.	S. by E.	1			29.78	48	48	46		b. c.	"	3	"
4				S. by E.	"	1			29.78	48	48	46		"	"	3	"
5				S. W.	"	1			29.82	48	44	45		b. c.	"	3	"
6				South	"	1			29.83	48	44	46		"	cumul	2	"
7				S. E.	East	1			29.83	48	44	46		"	"	2	"
8				E. S. E.	E. by E.	1			29.83	49	48	46		b. c.	"	2	"
9				N. W. by W. to W.	N. E.	1			29.83	49	48	46		"	"	2	"
10	Standing in for anchorage			East	E. N. E.	1			29.83	49	48	46		"	"	2	"
11				S. E. by S.		1			29.83	49	48	46		o. c. r.	cumul	0	
Noon.				N. N. W.	N. N. E.	1			29.83	48	49	45		"	cu mul	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1150 "

Coal consumed during the preceding 24 hours, 4 tons 2235 lbs.

Coal remaining on hand at Noon, 76 " 571 "

P. M.											
1	East	S. E.	2	29.83	48	48	46	o. c.	cumul	0	S
2	E. by S.	"	2	29.81	49	49	46	o. c. r.	"	0	"
3	N. E. by N.	"	2	29.80	49	49	46	"	"	0	"
4	N. E. by E.	Calm	0	29.80	49	48	46	b. c. r.	cor cumu cumul	1	"
5	S. E. by E.	S. E.	1	29.79	48	48	46	b. c.	"	2	"
6	S. E. by S.	S. E. by S.	2	29.78	49	48	46	b. c. r.	cumul	1	"
7	S. E.	"	2	29.79	49	48	46	"	"	2	"
8	S. E. by S.	"	2	29.78	48	49	46	"	"	2	"
9		"	1	29.80	80	48	46	o. c. p.	"	0	"
10	S. E.	"	1	29.80	80	48	46	o. c.	"	0	"
11	South	S. W.	1	29.81	80	48	46	b. c.	cor cumu cumul	2	"
Mid.	S. S. E.	"	1	29.81	80	49	46	"	"	3	"

under the command of Commander T. F. Jewett, U. S. Navy,

Thursday August 11th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unites A.M.

Fair and cool weather. Light airs from S. generally. Lightning to N.E. Cir-cum clouds.

F. J. Loomis
Ensign U.S.N.

From 4 to 8 A.M.

Generally cloudy and pleasant with light passing showers third hour. Light airs from S.by E. to East.

C.W.B. Hoggatt
Ensign U.S.N.

From 8 A.M. to Meridian.

Cloudy. Heavy rain during last half of watch. Light airs from N.N.E. to E.N.E. at 8:20 called all hands and got underway. Steamed into Chefoo harbor at 9: to moor with 30 fms on each chain in 4 fms of water. Bgriggs of moorings (pc) Fort W.by S. Embry Rock N.E.by N. Tower S.W. by S. Dispatched steam cutter and rigged out sailing launch. Received visit from an officer of Chinese man-of-war. Sent an officer to return same. Sent an officer to call on U.S. Consul who then came on board. Hauled fires in four boilers and started them in two others for distilling.

Lat obs 37° 32' Long 120° 8'.

A. T. Dobyns
Lieut U.S.N.

From Meridian to 4 P.M.

Overcast and cloudy, rainy last three hours of watch. Light breeze from S.E. At 1: the U.S. Consul left the Ship. At 2:30 sighted the U.S.S. "Omaha" approaching harbor. At 3.50 "Omaha" anchored. Received U.S. Mail on board. Put on awning.

F. J. Loomis
Ensign U.S.N.

From 4 to 8 P.M.

Cloudy. Calm, and light airs from S.E. and S.

Lieut U.S.N.

From 8 P.M. to Midnight

Cloudy weather with passing showers. Lightning to S.S. Cir-cum and mink clouds. Light airs from S.E. by S. shifting to S.W. last half of watch. Distilling.

F. J. Loomis
Ensign U.S.N.

Examined and found to be correct.

E. D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.				S E by E.	Calm	0			29.80	49	49	49		b.c.d.	cum and cumul	3	4
1				E S E.	"	0			29.79	49	49	49		b.c.	"	3	"
2				S E by S	S by E	1			29.76	49	49	49		"	cir cum	4	"
3				S E	Calm	0			29.76	49	49	49		"	"	5	"
4				S S E.	"	0			29.74	49	49	49		b.c.	"	5	"
5				S by W.	"	0			29.79	49	48	46		"	"	5	"
6				South	S by W.	1			29.79	49	48	46		"	"	4	"
7				S S E.	"	1			29.79	49	48	46		"	"	3	"
8				S W.	S W.	2			29.80	81	80	74		"	"	3	"
9				"	"	2			29.81	82	81	76		"	cumul	1	"
10				S W by S	"	2			29.80	82	81	77		"	cir cum	3	"
11				"	"	2			29.79	83	82	79		"	"	4	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at Noon, 2200 "

Coal consumed during the preceding 24 hours, 1 tons 1390 lbs.

Coal remaining on hand at Noon, 74 " 1421 "

P. M.																
1				S E by E.	S E	2			29.76	82	81	74		b.c.	cir cumul	4	4
2				E S E.	E S E.	2			29.77	81	80	76		"	"	5	"
3				East	S by E	2			29.72	81	80	74		"	"	5	"
4				S E by S.	S S E.	2			29.70	84	83	77		"	"	5	"
5				S S E.	South	2			29.70	84	83	78		"	"	4	"
6				"	"	2			29.70	86	84	79		"	"	4	"
7				S by W.	"	2			29.69	84	83	79		"	"	4	"
8				S S W.	S S W.	2			29.70	82	82	79		"	"	2	1
9				"	"	2			29.71	82	82	79		"	"	3	"
10				S by W.	"	3			29.71	82	81	79		"	"	5	"
11				"	"	3			29.70	81	81	76		"	"	5	"
Mid.				East	"	2			29.70	81	80	76		"	"	5	"

under the command of Commander T. F. Jewell, U. S. Navy,

Friday August 12th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unties H. A. M.
Fair and pleasant. Calm and light airs from S. S. E. Distilling.

From H. to 8 A. M.
F. A. Lewis
Naval Cadet U. S. N.
Weather pleasant. Partially cloudy. Calm and light airs from S. by E. Cleaned bilges. Two Chinese men-of-war came in and anchored. Sent an officer to make the usual visit. Distilling.

From 8 A. M. to Meridian.
A. T. Dowden
Lieut U. S. N.
Cloudy to fair weather. Light breeze from S. W. At 8:40 loosed sail to a bowline. At 11:45 U. S. S. "Omaha" left the harbor. Distilling. By order of Comdg Officer pleased J. Welch, Sea 26.

From Meridian to 4 P. M.
F. J. Loomis
Ensign U. S. N.
Fair and pleasant. Light breeze from S. W. & S. at 3:15 furled sail. Sent liberty party on shore. Cleaned sail room. Distilling.

From 4 to 8 P. M.
F. A. Lewis
Naval Cadet U. S. N.
Clear and pleasant. Light breeze from S. at 7: went to Fire Quarters, all ready in 2m 10s. Distilling.

From 8 P. M. to Midnight
F. J. Loomis
Ensign U. S. N.
Fair and pleasant. Gentle to light breeze from S. S. W. Distilling.

F. A. Lewis
Naval Cadet U. S. N.

Examined and found to be correct.

T. D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.															cumu		
1				S S E.	S Sw.	1-2			29.40	81	80	76		b.cl.	cir cumu	6	S
2				East	S E	1-2			29.40	81	80	76		"	"	6	"
3				S E by E.	S S E	2			29.40	80	79	76		"	"	6	"
4				S by E.	South	2			29.40	79	78	75		" cum	"	4	"
5				S E by S	"	2			29.40	79	78	76		b cpr	cumu nimb	0	"
6				S by E.	Variable	1			29.42	79	78	75		b cpr	cir cumu	1	"
7				South	"	1			29.43	79	78	75		b cu	"	2	"
8				S by E.	"	1			29.46	79	78	75		b c.	"	6	"
9				S E by S	S E by S	2			29.44	79	78	75		"	"	4	"
10				S E by E.		2			29.46	79	78	75		"	"	6	"
11				East	East	2			29.46	79	78	75		"	"	5	"
Noon.				"	"	2			29.46	79	78	75		"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 450 "

Water remaining on hand fit for use at Noon, 2750 "

Coal consumed during the preceding 24 hours, 1 tons 115 lbs.

Coal remaining on hand at Noon, 73 " 1306 "

P. M.														
1			E by N.	E N E	3			29.44	81	79	76	b.c.	cir cumu	S
2			E N E	"	3			29.44	81	80	77	"	"	6 "
3			"	"	3			29.43	81	80	77	"	"	6 "
4					3			29.43	81	80	77	"	"	5 "
5			East	S E	3			29.42	80	79	77	"	"	6 "
6			S E	"	3			29.42	80	79	76	"	"	4 "
7			S S W.	"	2			29.43	80	79	76	"	"	6 "
8			N by W.	East	1-2			29.45	80	79	76	"	"	6 "
9			N by E.	"	2			29.47	79	79	76	"	"	6 "
10			S W by S.	"	2			29.47	79	78	76	"	"	6 "
11			S W.	"	1			29.47	79	78	76	"	"	8 "
Mid.			N by W.	"	1			29.46	80	79	77	"	"	9 "

under the command of Commander T. F. Jewell, U. S. Navy,

Saturday August 13th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Partly clear with cumi & cir-cumu clouds. Frequent lightning. Bright starlight. Moon showing occasionally. Light airs to brisk breeze from S.S.W. to S.E. Distilling.

H. L. Tomlinson
Ensign U.S.N.

From 4 to 8 A.M.

Cloudy weather, gradually clearing up at end of watch. Light passing showers first two hours. Light breeze first hour, light variable airs remainder of watch. At 5.30 hauled fires in boilers 1 and 3.

F. J. Cromwell
Ensign U.S.N.

From 8 A.M. to Meridian

Fair & pleasant. Light breeze from S.E. & S. to East. Chinese gunboat went out. Chinese, Japanese & Danish steamers came in.

H. A. Lewis
Naval Cadet U.S.N.

From Meridian to 4 P.M.

Partly clear bright & pleasant. Clouds cirrus & cumulus. Gentle breeze from E.N.E. A German steamer left the harbor. Sent liberty parties ashore.

H. L. Tomlinson
Ensign U.S.N.

From 4 to 8 P.M.

Fair weather. Gentle breeze from S.E, decreasing to light air.

H. A. Lewis
Naval Cadet U.S.N.

From 8 P.M. to Midnight

Generally clear with light cir. & cumi clouds. Bright starlight. Light airs to breeze from East.

H. L. Tomlinson.
Ensign U.S.N.

Examined and found to be correct.

C. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N.	East	1			29.74	78	72	76		b	cirro	10	S
2				E N E.	"	1			29.73	78	78	76		.	"	10	"
3				E by S.	"	1			29.73	74	74	76		b.c.	cir cumu	9	"
4				E S E.	"	1			29.73	74	74	76		"	"	9	"
5				"	"	1			29.76	78	74	76		b.c.	"	3	"
6				East	"	1			29.74	78	74	76		"	"	2	"
7				E N E.	N E.	1			29.79	78	78	76		"	"	2	"
8				S E.	"	2			29.80	79	78	74		"	"	6	"
9				"	"	2			29.81	79	79	74		b.c.	"	8	"
10				E N E.	"	2			29.82	80	79	74		"	"	8	"
11				N E by E.	"	2			29.83	80	80	78		"	"	8	"
Noon.				.	"	2			29.81	81	80	78		"	"	8	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2900 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 73 " 906 "

P. M.										
1	N E.	N E.	2	29.82	83	81	78	b.c.	cir cumu	8	S
2	N E by N.	"	2	29.82	83	81	78	"	"	4	"
3	N N E.	"	2	29.81	82	81	78	"	"	4	"
4	N E by N.	"	2	29.80	82	81	78	"	"	4	"
5	N by E.	"	2	29.78	81	80	78	"	cumulus	6	"
6	"	"	2-3	29.78	81	80	78	"	"	6	"
7	"	"	2-3	29.76	80	79	74	"	"	6	"
8	N N E.	"	2-3	29.76	80	79	74	"	"	4	"
9	"	"	3	29.78	79	79	74	"	"	4	"
10	N N E	"	3	29.79	79	79	74	"	"	6	"
11	N E by E	E N E.	3	29.80	79	78	74	"	"	3	"
Mid.	N N E	"	3	29.79	79	78	74	"	"	5	"

under the command of Commander J. F. Jewett, U. S. Navy,
Sunday August 1st, 188?.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unfit at A. M.
Clear, bright and pleasant Light airs from East.
W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 A. M.
Partly clem. Foggy. Light Es airs first two hours then shifting to N.E.
Received and served out in Pay Dept 138 lbs fresh beef & vegetables & 12 lbs bread.
F. A. Lewis
Acting Asst Surg U. S. N.

From 8 A. M. to Meridian.
Bright and warm, with light cir-cumm clouds. Light breez from N.E. at 9 am Commdg Officer inspected ship's crew at quarters after which called all hands to muster and published Asiatic Station, U. S. Marine Order No. 13. Held Divine Service.
A. C. Brownstone
Ensign U. S. N.

From Meridian to 4 P. M.
Clear bright and warm. Light breez from N. E. at 2. 30 Chinese Gunboat "Y. Yuan" came in and anchored. Sent officer to offer usual courtesies. Officer from Chinese Gunboat returned thanks for the offer of courtesies.
W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 P. M.
Partly clear, bright and pleasant. Cumm sts clouds. Light to gentle breez from N. E.
A. C. Brownstone
Ensign U. S. N.

From 8 P. M. to Midnight
Partly clear. Gentle breez from N. E. & N. N. E.
W. B. Hoggatt
Ensign U. S. N.

Examined and found to be correct.

D. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES. Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				N. E.	E. N. E.	3			29.24	84	84	76		bc	cumb	0	S
1				"	"	3			29.26	84	82	82		"	cir cum	2	"
2				"	"	3			29.26	84	82	82		"	cumb	2	"
3				E. N. E.	"	3			29.26	84	84	84		"	"	2	"
4				E. N. E.	"	3			29.26	84	84	84		bcd	"	2	"
5				E. by N.	"	3			29.28	84	84	84		bch	"	2	"
6				E. N. E.	"	2			29.81	84	84	84		bc	"	2	"
7				"	"	2			29.81	84	84	84		"	"	2	"
8				"	"	2			29.83	84	84	84		bcfr	"	0	"
9				E. by N.	"	2			29.83	84	84	84		bcr	"	2	"
10				E. N. E.	"	2			29.83	80	84	84		bc	cirrum	5	"
11				"	N. E. by E.	1			29.83	82	80	84		"	"	5	"
Noon.				N. E. by N.	"	1			29.83	82	80	79		"	"	6	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1950 "

Coal consumed during the preceding 24 hours, tons 1360 lbs.

Coal remaining on hand at Noon, 72 " 1786 "

P. M.									
1	N. E.	N. E.	2	29.83	82	81	79	bc cirrum	8 S
2	N. E. by E.	"	2	29.83	82	81	79	" "	8 "
3	"	"	3	29.83	82	81	79	" "	8 "
4	"	"	2	29.82	82	81	79	" "	8 "
5	N. E.	"	2	29.81	82	81	79	" "	8 "
6	N. E. by N.	"	2	29.81	82	81	79	" "	2 "
7	N. by W.	N. by E.	1	29.80	82	81	79	Acum. cumb	3 "
8	North	Calm	0	29.80	82	81	79	" "	0 "
9	N. W.	"	0	29.81	82	81	79	" cumulus	0 "
10	W. N. W.	"	0	29.82	82	81	79	" "	2 "
11	West	N. N. W.	1	29.82	82	81	79	" cum	6 "
Mid.	W. by N.	"	1	29.83	82	81	79	" "	2 "

under the command of Commander T. F. Jewell, U. S. Navy,

Monday August 15th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Generally cloudy. Gentle breeze from E.N.E. Light drizzling rain, at end of watch.

A.F. Dearborn
Lieut U.S.N.

From 4 to 8 A.M.
Generally cloudy, passing showers 1st hour heavy rain last hour. Hazy and foggy. Light to gentle breeze from E.N.E. An officer from Chinese corvette Wei Yuen called to ask participation in celebration of Imperial birthday. Dressed ship, painbow at 8 o'clock. Commenced sign at the mains. An English steamer came in from the Northward.

W. C. Tomkins
Ensign U.S.N.

From 8 A.M. to Meridian.
Overcast and cloudy first part clearing last part. Light breeze and airs from E.N.E. and N.E. by E. Went to general quarters at 9 A.M.

W.B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.
Clear and warm. Light to gentle breeze from N.E.

A.F. Dearborn
Lieut U.S.N.

From 4 to 8 P.M.
Clear and bright first part overcast last part. Calm light airs and breeze from N. by E. and N.E. Gentle breeze from N.E. last two hours. Mysterial closed at quarters at 6.15.

W.B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight
Cloudy at first clear toward end of watch. Calm and light airs from N.N.E. By order of Commander placed P. Topey, P.M. under Sentry's charge, he being under the influence of liquor and drunk.

A.F. Dearborn
Lieut U.S.N.

Examined and found to be correct.

C.D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chifoo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				SW by S	Calm	0			29.84	81	80	78		b.c.	cirrus	6	S
1				S SW	"	0			29.84	81	80	78		"	"	6	"
2				SE	Sand	1			29.83	81	80	78		"	"	7	"
3				"	"	1			29.82	81	80	78		"	"	6	"
4				"	SE by S	1			29.83	81	80	77		"	cir	5	"
5				SE by E	"	1			29.86	81	80	77		"	"	4	"
6				SSW	SW	1			29.84	81	80	77		"	cirrus	8	"
7				SSW	South	1			29.89	83	81	78		"	"	8	"
8				"	SW	1			29.89	84	82	79		"	"	6	"
9				SE by S	"	1			29.89	84	83	80		"	"	6	"
10				ESE	ENE	2			29.89	84	83	81		"	"	6	"
11				E by N	"	2			29.88	85	84	81		"	"	6	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1900 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 72 " 1986 "

P. M.														
1		E by N.	E N E	2	29.88	85	84	81	b.c	cirrus		4	S	
2		SE	SE	3	29.88	85	84	81	"	"		6	"	
3		SE by S	"	3	29.86	88	84	81	"	"		4	"	
4		S by E	South	3	29.85	90	85	81	"	"		5	"	
5		"	"	3	29.84	89	88	81	"	"		6	"	
6		"	"	3	29.84	89	88	80	"	"		5	"	
7		South	"	3	29.84	87	86	79	"	"		3	"	
8		SE	SE	1	29.85	85	85	78	"	"		7	"	
9		SSW	"	1	29.85	85	84	79	"	"		9	"	
10		SSW	SSW	2	29.84	84	83	80	"	"		8	"	
11		"	"	2	29.84	84	83	79	"	"		8	"	
Mid.		"	"	3	29.84	83	83	79	"	"		8	"	

under the command of Commander P. F. Harrell, U. S. Navy,

Tuesday August 16th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at A. M.

Clear and pleasant. Came first half, light airs from South. last half.

F. F. Toomis
Ensign U. S. N.

From 4 to 8 A. M.

Generally clear and pleasant. Light airs from S. E. by S. to S. W. Loosed sail to a bowline. Received in Provisions for issue to crew 108 lbs each pork beef and vegetables 103 lbs bread.

E. W. Hoggatt
Ensign U. S. N.

From 8. A. M. to Meridian.

Clear and warm. Light airs from S. W. first half, then light breeze from S. W. S. At 9.30 inspected at quarters. Exercised 1st division at Machine guns. 2d. Cutlass, Pounds &c. Single Sticks.

A. F. Hamilton
Lieut U. S. N.

From Meridian to 4 P. M.

Fair and pleasant weather. Hazy with rain squalls around horizon. Came and remained cloudy. Light breeze from S. W. S. suddenly shifting to fresh breeze from East and South. Repaired boat jib. Cleaned spindle, fired gun - cotton primers in cases on deck. By order of Comdg Officer released Private Forbes, U. S. M. C. from confinement and restored him to duty.

F. F. Toomis
Ensign U. S. N.

From 4 to 8 P. M.

Clear and warm. Fresh breeze from South. A steamer Gun-boat came in and anchored. Sent each officer to make usual visit. At 6. 15 mustered at quarters.

A. F. Hamilton
Lieut U. S. N.

From 8 P. M. to Midnight

Clear and pleasant weather. Lightning. Light airs from S. E. first hour, light increasing to fresh breeze from S. S. W. remainder of watch.

F. F. Toomis
Ensign U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the Harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
				Ship's Head													
A. M.				SE	South	2			29.858	38	42	38		b.cu.cir.cum		4	S
1				SE		2			29.858	38	42	38		"	"	2	"
2				S"SW	S"SW	3-4			29.858	38	42	38		"	"	2	"
3				S	"	3-4			29.838	38	42	38		"	mist	3	"
4				S	"	3-4			29.808	38	42	38		b.cu.cir.cum		3	"
5				S by W	"	3-4			29.808	38	42	38		"	"	4	"
6				S SW	SW	2			29.828	48	38	39		b.c.	"	2	"
7				South	"	2			29.838	48	38	40		"	"	2	"
8				S by W	"	2			29.838	68	58	1		"	"	2	"
9				W"SW	W"SW	1			29.828	48	68	1		"	"	2	"
10				W"SW	"	1			29.828	48	68	1		"	"	3	"
11				W by S	West	1			29.818	88	48	1		"	"	4	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1150 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 72 " 986 "

P. M.																
1				W.SW	W.SW	1			29.799	0	88	82	b.c. cir.cum	4	S	
2				NE	East	2			29.788	48	88	83	" mist	2	1	
3				NE by E	E"SE	2-4			29.798	58	58	0	" h.q. "	2	"	
4				E by S	E	2			29.798	58	48	0	b.c. "	2	1	
5				SE	E	2			29.798	38	22	9	" "	4	"	
6				SE by E	SE	2			29.768	38	22	9	" "	4	1	
7					S"SE	1			29.788	48	22	9	" "	4	1	
8				E"SE	"	1			29.788	48	32	9	" l "	2	"	
9				South	"	1			29.798	58	48	0	" "	5	1	
10				S"SE	"	1			29.798	58	48	0	" "	2	"	
11				S	"	1			29.788	48	38	0	" "	2	1	
Mid.				South	"	1			29.783	82	29		" "	5	"	

under the command of Commander T. F. Jewell, U. S. Navy,
Wednesday August 1st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A. M.

Fair and pleasant clouding up last hour. Light breeze from South first two hours, then gentle to moderate breeze from S.W.

F. A. Leyds
Naval Cadet U. S. N.

From 4 to 8 A. M.

Cloudy during first two hours. Gentle to moderate breeze from S.W.: then light breeze from S.W. Made preparations for coaling.

S. N. Terhune
Lieut. U. S. N.

From 8 A. M. to Meridian.

Fair and warm weather. Light breeze from S.W. gradually shifting to light airs from W. S.W. and West. Coaling ship. At 10:30 two Chinese gun-boats "Kwo Jung" and "Yung Wei" came in and anchored. Sent an officer to extend the usual courtesies. At 11:15 Chinese gun-boat left the harbor. At noon received 50 tons of coal on board. Boarding Officer of Chinese gun-boat came on board. By order of Comdg Officer released Wm. Richards Sea. from confinement and also remitted one-fifth term of sentence of G.A. Williams 2 Ca, and restored both to Duty. By order of Comdg Officer placed E. H. Dolan, Sea. 2 C. and W. J. McLaughlin, Sea. 2 C, in double irons in cell for three days for neglect of duty.

F. J. Fooms
Ensign U. S. N.

From Meridian to 4 P. M.

Cloudy and threatening weather. Rain squalls third hour. First hour light air from W. S.W. then light breeze from E. Received official visit from the Captain of the "Trian" and "Yung Wei" Chinese men-of-war. Cashed down decks.

F. A. Leyds
Naval Cadet U. S. N.

From 4 to 8 P. M.

Fair decreasing to cloudy weather. Light breeze to light airs from S.E. and S.S.E.

F. J. Fooms
Ensign U. S. N.

From 8 P. M. to Midnight

Fair and warm. Light air from S.S.E. Heat lightening to S.

F. A. Leyds
Naval Cadet U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut. and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.				SSE	SSE	1			29.72	82	81	78		bcl	cirrus	5	S
1				South	Same	0			29.72	82	82	79		"	"	7	"
2				E by S	NE	2			29.71	81	80	77		"t	"	5	"
3				East		2			29.71	80	79	77		bclt	"	0	"
4				ENE	East	1			29.72	81	79	78		bclmf	cir-cumst	2	"
5				East	NNE	2			29.74	80	79	79		bcmlt	"	2	"
6				E by S		2			29.76	80	79	77		bcm	"	2	"
7				SE by E	NE	2			29.78	80	79	77		"	"	4	"
8				"	NNE	1			29.78	80	79	78		"	"	4	"
9				"	NNE	2			29.78	81	80	79		"	cir-cumst	6	"
10				E "S E		2			29.78	80	80	79		"	"	4	"
11				SE by E	"	2			29.78	80	79	77		"	"	4	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, 1 tons 640 lbs.

Coal remaining on hand at Noon, 111 " 446 "

P. M.										
1	ENE	NNE	2	29.78	81	79	77	bc	cir-cumst	4	S
2	"	"	2	29.78	81	80	79	"	"	5	"
3	NE by N	"	2	29.78	81	80	79	"	"	5	"
4	NNE	"	2	29.78	82	81	79	"	"	6	"
5	NE by N	"	2	29.78	82	81	79	"	"	4	"
6	N by E	N by E	2	29.78	82	81	79	"	"	8	"
7	NW by N	NW	2	29.78	82	81	79	"	clr	6	"
8	N by W	N by E	3	29.78	81	80	79	"	"	6	"
9	North	North	3	29.76	80	79	78	"	cir-cumst	8	"
10	N by E	"	2	29.77	79	78	77	"	"	8	"
11	"	"	2	29.78	79	79	77	"	"	8	"
Mid.	North	"	2	29.80	79	79	77	"	"	8	"

under the command of Commander T. F. Jewett, U. S. Navy,

Thursday August 18th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at A. M.

Partly clear bright starlight with occasional clouds passing over the last hour, when cloudy with rainy appearances. Frequent lightning, accompanied by thunder last part. Light airs from S.S.E. 1st hour, Calm 2d hour. Light breeze from N.E. afterwards.

E. A. Cromwell
Ensign U.S.N.

From 4 hrs. 8 A. M.

Cloudy weather with thunder & lightning & passing showers first hour. Rainy around horizon remainder of watch. Light airs from N. & E. At 5. as three Chinese men-of-war left the harbor. Received in Pay Dept. 1 bbl. each of beef & vegetables & 10 3 lbs bread for issue to crew.

F. J. Loomis
Ensign U.S.N.

From 8 A. M. to Meridian.

Fair & pleasant. Light air increasing to light breeze from N. & E. Moderate N.E. swell. At 12. started fires in boilers 1 & 3 for distilling. 6 Chinese gun boats & 6 men of war came in and anchored. Sent boarding officer.

Wm. L. Wise
Acting Cadet U.S.N.

From Meridian to 4 P.M.

Partly clear with cir cumm clouds. Bright & warm. Light breeze from N.E. By order of Comdg Officer D. Williams C. Jof, was Detailed to Examine & Report which he & W. W. C. Graham P.M. were placed in confinement in double irons waiting further orders for creating a disturbance on board the officer from Chinese Gunboat "Chin Tsi" called to return thanks for visit of courtesy. Shifted boat falls and fore and aft & rose off anch. By order of Comdg Officer released from confinement W. W. C. Graham P.M. Commenced Distilling.

A. C. Townsend
Ensign U.S.N.

From 4 hrs. 8 P.M.

Fair & warm. Light breeze from N. by E. Set part of watch, then shifting to N.W. third hour increasing to gentle breeze last hour. Moderate swell from N.E. Distilling.

Wm. L. Wise
Acting Cadet U.S.N.

From 8 P.M. hrs Midnight

Generally clear bright starlight. Clouds stratus & cumulus Light to gentle breeze from North. Moderate ground swell from N.E. Ship rocking easily. Distilling.

A. C. Townsend
Ensign U.S.N.

Examined and found to be correct.

C. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. by W.	North	2			29.77	79	81/2			b.c.	stratus	5	M
2				N. " by E.	N. " by E.	2			29.76	79	81/2			b.c.	"	5	"
3				"	"	2			29.76	79	81/2			"	"	6	"
4				"	"	2			29.76	78	81/2			"	"	2	"
5				N. E. by N.	"	3			29.76	78	81/2	81		b.c.	cumu	2	"
6				N. N. E.	N. N. E.	3			29.77	78	82	81		"	"	2	"
7				"	"	2			29.80	78	82	81		"	cir. cumu	2	"
8				N. E. " by E.	"	2			29.81	78	82	82		"	"	2	"
9				N. E.	North	2			29.80	78	82	82		"	cumulus	3	M
10				"	N. by W.	2			29.81	79	82	82		"	"	4	"
11				"	N. N. W.	1-2			29.81	79	82	82		"	cirrus	4	"
Noon.				N. E. " by E.	N. by E.	2			29.81	79	78	78	72	"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 1350 "

Water remaining on hand fit for use at Noon, 1600 "

Coal consumed during the preceding 24 hours, 1 tons 1475 lbs.

Coal remaining on hand at Noon, 109 " 1211 "

P. M.											
1		N. E.	North	2	29.79	79	81/2	b.c.	cir. cumu	4	M
2		East	"	2	29.77	79	81/2	"	"	4	"
3		E. " by N.	"	2	29.77	78	81/2	"	"	4	"
4		E. N. E.	"	2	29.76	78	81/2	"	"	3	"
5		"	N. E.	2	29.77	79	81/2	"	cir	1	"
6		"	"	1	29.78	79	81/2	"	"	3	"
7		"	"	1	29.76	79	81/2	"	"	4	"
8		N. E. by E.	"	1	29.76	79	81/2	"	"	4	"
9		"	East	1	29.77	79	81/2	"	cir. cumu	5	"
10		"	"	1	29.77	79	81/2	"	cumulus	2	"
11		N. E.	"	1	29.77	79	81/3	"	"	2	"
Mid.		E. by N.	Calm	0	29.78	79	81/3	"	"	4	"

under the command of Commander T. F. Jewett, U. S. Navy,

Friday August 19th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M.

Partly clear. Light breeze from North & N. by E. Moderate boy, sewed from N. E. Distilling.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 A.M.

Cloudy. Light to gentle breeze from N. & E. Cleaned bilges fore and aft. Received and served out in Paymaster's Dept 128 lbs each of beef and vegetables and 103 lbs of bread. Distilling.

N. A. Lobie
Acting Cadet U. S. N.

From 8 A.M. to Meridian.

Cloudy first part with rainy appearances. Clearing latter part. Clouds cirro-stratus and cirro-stratus. Light breeze from N. by E. to N. N. E. Restowed fore hold. At 9 A.M., loosed sails to a boarding. At 10 A.M., went to Quarters for inspection, after which fired Division at single sticks, Board at rifles, Machine guns and Pivots, Stations. Distilling. Three steamers came in and one left. Moderate breeze from N. E.

A. C. Rowdstone
Ensign U. S. N.

From Meridian to 4 P.M.

Partly clear, pleasant. Light breeze from North. Tried sail at 12:50. At 1:08 observed commencement of eclipse of the sun, and at 3:30 the end of the eclipse. At 2 o'clock H. I. M. S. "Iki" and "Tsi Yuen" came in and anchored. Sent boarding officer to Senior Officer's ship to offer usual courtesies. The visit was returned by a Chinese Officer. Distilling.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 P.M.

Partly clear with cirro-cumulus and stratus clouds. Pleasant. Light breeze from North 1st hour, light N. Rains afterwards. Went to Fire Quarters at 6 P.M. ready at Falconets with 4 Drams: 2 Division 40 sec Cap 1 min 05 sec, 2d 1 min 50 sec, 1st Division 1 min 50 sec. Distilling. Long ground Swell from N. & E.

A. C. Rowdstone
Ensign U. S. N.

From 8 P.M. to Midnight.

Generally cloudy. Calm and light rains from East. Distilling.

W. B. Hoggatt
Ensign U. S. N.

Examined and found to be correct.

T. D. Galloway
First Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by S	Calm	0			29.74	48	73	63		b.c.	cum-str	6	S
2				S E.	"	0			29.74	48	74	63		"		9	L
3				E by S		0			29.74	48	72	63		"	"	4	"
4				East	E S E.	1			29.76	50	72	63		"	"	5	"
5				E S E	"	1			29.74	50	74	63		"	cirr	5	S
6				E S E		1			29.76	52	76	62		"	cir-cum str cirr	5	"
7				S E by E	S E.	1			29.78	54	76	62		"	cirr	3	"
8				E N E.	N. W.	2			29.80	52	76	62		b.c.	cum cirr	1	"
9				E by S.	Calm	0			29.80	52	76	63		b.c.	cir-cum cirr	2	S
10				East	E N E.	1			29.80	54	76	63		"	"	2	"
11				"	"	1			29.80	54	76	63		"	"	2	"
Noon.				"	"	1			29.79	54	74	64		"	"	2	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 1450 "

Water remaining on hand fit for use at Noon, 2400 "

Coal consumed during the preceding 24 hours, 1 tons 710 lbs.

Coal remaining on hand at Noon, 108 " 501 "

P. M.																	
1					East	E N E.	1			29.74	48	74	64	b.c. fr.	cir-cum cumm	2	S
2					N. E.		1-2			29.72	50	74	64	"	"	2	"
3					E S E	East	1			29.76	52	74	65	o.c.	cum-nim	0	"
4					E by S	"	1			29.76	54	74	64	o.c.	cir-cum nimb	0	L
5					East	"	1			29.76	52	74	64	"	"	0	"
6					E N E.	"	1			29.76	52	76	64	b.c.	cumm	1	"
7						Calm	0			29.74	52	74	65	"	"	1	"
8					N E by E	E N E.	0			29.78	52	74	64	h.cum	nimb	1	"
9					E N E		1			29.74	52	74	65	o.c.	nimb	0	"
10							1			29.74	52	74	66	"	"	0	"
11						East	1			29.74	52	74	66	"	"	0	"
Mid.					E by N	"	1			29.74	52	74	66	"	"	0	"

under the command of Commander J. F. Jewett, U. S. Navy,
Saturday August 20th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A. M.
Calm. Generally clear. Distilling.
A. F. Feehteler
Lieut U. S. N.

From 4 to 8 A. M.
Generally cloudy, raining last hour. Clouds cumu. str. cir. cumu and nimbi. Light airs from E. S. E. & S. E. the last hour when light breeze came out from N. E. Easy ground swell. A steam launch came in from the N.
H. Bonnycastle
Ensign U. S. N.

From 8 A. M. to Meridian.
Generally cloudy. Calm. Light airs from E. N. E. Two Prisoners went on board left at 9.30 By order of the Comdg Officer released C. W. Dolan, S.A. 2 C.D. and D. J. McLoughlin S.A. 2 C. from confinement their terms having expired. Distilling. Long easy swell from the E.
W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P. M.
Cloudy with rain during part of the 2 hours. Light airs from N. E. to East. Moderate swell from E. N. E.
A. F. Feehteler
Lieut U. S. N.

From 4 to 8 P. M.
Overcast and cloudy. Calm and light airs from East. Long swell from E. N. E. Mustered at quarters at 6.15.
W. B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight
Overcast and cloudy. Light airs from East and E. N. E.
A. F. Feehteler
Lieut U. S. N.

Examined and found to be correct.

D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S.E.	East	1			29.76	78	78	76		ocrl.	cumi	0	S
2				E by S	"	1			29.76	78	78	76		"	"	0	"
3				E S E.	S" E.	1			29.75	78	77	76		bc.	cumi nimb	2	"
4				S E by E.		1			29.74	78	77	75		"	"	2	"
5				"	"	1			29.74	77	76	75		"	"	1	"
6				"	"	1			29.75	77	77	75		"	"	1	"
7				"	"	1			29.75	77	77	75		"	cir. cumi	1	"
8				S" E.	South	1			29.74	79	78	76		"	"	6	"
9				S S E.	S by W.	2			29.74	79	78	76		"	Str	6	"
10				S E by S	S S W.	2			29.74	79	78	76		"	"	6	"
11						2			29.74	79	78	76		"	"	6	"
Noon.				S" by W.	S by W.	4			29.74	79	80	78		"	cumi str cumi	3	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 2500 "

Water remaining on hand fit for use at Noon, 22000 "

Coal consumed during the preceding 24 hours, 1 tons 965 lbs.

Coal remaining on hand at Noon, 106 " 1776 "

P. M.													
1	South	S by E.	3	29.76	82	82	79	bcr.	cumi nimb	2	S
2	S S E.		3	29.76	80	79	76	bcltr.	"	2	"
3	S by W.	S" by W.	3	29.74	82	81	75	"	"	1	"
4	South		3	29.74	78	78	76	ocplt	"	0	"
5	W by S.	W N W	2	29.74	79	78	76	bcplt	cir cumi nimb	2	"
6	S E by E.	S S E.	2	29.74	79	78	76	bcl.	"	3	"
7	S S W.	S S W.	2	29.74	80	79	75	"	"	2	"
8	South	"	3	29.76	82	80	74	" h	"	1	"
9	S S W.	"	3	29.73	82	81	76	bcr.	cumi nimb	1	"
10	"	"	3	29.74	82	81	77	bcpl.	"	4	"
11		"	3	29.73	82	82	78	"	cumi str cumi nimb	4	"
Mid.	S by W.	"	2	29.73	82	81	78	"	"	4	"

under the command of Commander T. F. Jewett, U. S. Navy,
Sunday August 21st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Commences and until 4 A M

Cloudy threatening weather with rain squalls first half of watch. Lightning around horizon. Wind & cum cumb clouds. Light airs from East. at 3:00 stopped heaving & hauled fires in boilers Nos 1 & 3. Moderate steam.

F. J. Loomis
Ensign U S N.

From 4 to 8 A M

Cloudy. Clearing last part. Light airs from S E & South. Received 28 lbs each of fresh beef & vegetables and 103 lbs fresh bread.

W. B. Howard Jr.
Ensign U S N.

From 8 A M to Meridian

Generally clear first three hours with light wind from S by W & S S W. Cloudy at end of watch. At 11:10 wind shifted to N by W increasing to moderate breeze. At 9:30 inspected at quarters. At 10:30 a clergyman from shore held Divine Service on board.

A. F. Fechteler
Lieut U S N.

From Meridian to 4 P M

Cloudy with heavy thunder showers. Lightning. Gentle breeze from S by E & S by W with squalls at the begining of showers. Steam cutter hoisted out coal: hoisted her in. At 1:15 the Chinese men-of-war "Chen Yen" & "Yang Wei" came in & anchored. Sent an officer to return usual courtesies.

F. J. Loomis
Ensign U S N.

From 4 to 8 P M

Generally overcast & cloudy with rain, at intervals. Wind from all points of the compass, at times in light squalls. Lightning & thunder to S & E. A Chinese gun-boat came in & anchored. Sent an officer to make the usual visit.

A. F. Fechteler
Lieut U S N.

From 8 P M to Midnight

Cloudy first part, clear last part. Light rain first hour. Lightning to S & W. Gentle decreasing to light breeze from S S W. Many cumulus clouds to S.

F. J. Loomis
Ensign U S N

Examined and found to be correct.

E. D. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1				S.W. by S.	S. S.W.	1			29.74	81	78			bc.	cir cum	5	d
2				S.S.W.	"	1			29.74	81	78			"	"	5	"
3				S.W. by W.	"	1			29.74	81	78			"	"	6	"
4				W. by N.	"	1			29.74	80	80	74		"	cirrus	2	"
5				West	West	1			29.74	80	80	74		"	"	1	"
6				N.W. by N.	N.N.W.	2			29.76	79	79	76		bc	cumulus	0	"
7				N. by W.	N. by W.	2			29.78	78	74	74		bc.	"	2	"
8				N.N.W.	"	1			29.80	74	74	64		"	cir	4	"
9				N.W.	N.W.	2			29.80	74	74	64		"	cir cum	2	"
10				N.W. by N.	"	2			29.81	78	74	74		"	"	5	"
11				N. by W.	N.N.W.	2			29.81	79	78	74		"	"	3	"
Noon.				"	"	2			29.82	79	78	76		"	"	2	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° " "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2300 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 106 " 1376 "

P. M.														
1			N.N.W.	N.N.W.	2			29.84	80	79	75	bc.	cir cum nim	5	d
2				"	2			29.84	81	80	76	"	"	6	"
3			N.W. by N.	"	2			29.84	81	80	76	"	"	3	"
4			N.W. by W.	"	2			29.84	81	80	76	"	cir cum nim	3	"
5			N.W. by N.	"	2			29.84	81	79	75	"		2	"
6				"	2			29.84	80	78	74	"	cir cum	4	"
7			N.N.W.	"	2			29.83	78	74	74	"	"	4	"
8				"	2			29.83	74	74	74	"	"	6	"
9			N.W.	N.W.	2			29.85	74	74	64	"	"	6	"
10				"	2			29.84	74	74	64	"	"	5	"
11			W.N.W.	West	2			29.84	76	76	64	bcl	"	4	"
Mid.			W. by N.	"	2			29.84	76	75	64	"	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,

Monday August 22, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.

Fair & pleasant Light airs from S.S.W. Barometer steady.

F. A. Levis
Naval Cadet U.S.N.

From 4 to 8 A.M.

Overcast, cloudy with occasional light drizzling rain. Light airs from N.by.W. to West. Clearing towards end of watch. At 7.00 called all hands & loosed sails to a bowline.

A. P. Scanlon
Lieut U.S.N.

From 8 A.M. to Meridian.

Fair decreasing to cloudy weather. Light breeze from N.W. & N.N.W. At 9:30 beat to General Quarters. Divisions ready as follows: 1st Div 2 Lts, 2d Div 3 Lts, 3d Div 1 Lt, Powd 2, 10 Nav 1, 0 Eng 5, Marines 1, 10. Manned ship & hove up port anchor. At 10:15 Boards Officer left the ship to pay an official visit to Chinese man-of-war. Tested magazine & shell-room flood cocks. Dry gun cotton & electrical apparatus & found them in good condition. Carpenters Gang at work in steam cutter. Sailmakers Mate making mud windsail.

F. J. Soomis
Ensign U.S.N.

From Meridian to 4 P.M.

Fair & pleasant. Light breeze from N.N.W. Barometer steady At 1.00 shortened sail. Carpenters Gang put mud rids in boat awning. Sailmakers making mud windsail.

F. A. Levis
Naval Cadet U.S.N.

From 4 to 8 P.M.

Fair. Light breeze from N.N.W. A boarding officer of H.I.M.S. "Fai-an" came on board & extended the usual civilities. Sent down topgallant yards. Sent topgallant sails & crossed topgallant yards. Making preparations for Sea.

F. J. Soomis
Ensign U.S.N.

From 8 P.M. to Midnight

Fair & pleasant. Light breezes from West & N.W. Lightning last two hours.

F. A. Levis
Naval Cadet U.S.N.

Examined and found to be correct.

E. P. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chefoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SW by W.	N.W.	2			29.86	54	54	53		b.c.	cir cumst str	5	S
2				SSW by S.		2			29.86	54	54	53		"	cumulus	3	"
3				S.W.	West	2			29.86	53	54	52		"	"	3	"
4				West		2			29.86	56	54	52		"	"	1	"
5				W by N.	N"W W.	1			29.88	56	55	52		b.c.	cir cumst	2	"
6				N.E.		1			29.92	56	56	52		"	"	2	"
7				E by N.	N"E.	2			29.94	56	56	52		"	"	2	"
8				N E by E.	"	2			29.93	54	54	52		"	"	2	"
9				E N E.	E N E.	1			29.95	58	54	53		"	"	3	"
10				"	"	1			29.95	58	52	53		"	"	4	"
11				"	"	1			29.95	58	58	53		"	"	4	"
Noon.				E by N.	E by N.	1			29.95	80	59	53		"	"	3	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1900 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 106 " 976 "

P. M.																	
1				E by S.	East.	2			29.95	80	79	74		b.c.	cir cumst	5	S
2				E S E.	"	2			29.93	80	79	73		"	"	3	"
3				"	"	2			29.91	80	76	73		"	"	3	"
4				East.	"	2			29.92	79	78	73		"	"	1	"
5				E by S.	"	2			29.95	79	78	73		"	cir	2	"
6					"	2			29.94	79	78	73		"	"	3	"
7	6	2	6.35	E ½ N.	E by S.	2			29.93	78	78	73	74	"	"	5	"
8	4	4	13.6	"		2			29.92	78	78	73	74	"	"	4	"
9	4	6	21.2	"	E S E	3			29.94	78	74	72	76	"	"	4	"
10	4	4	28.9	"	"	3			29.94	78	74	73	75	"	"	8	"
11	4	3	36.5	"	"	1			29.94	74	74	73	75	"	"	9	"
Mid.	4	1	43.3	E by S.	"	1			30.00 A	76	74	73	75	"	"	9	"

under the command of Commander T. F. Jewell, U. S. Navy,
Tuesday August 23d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Fresh gales, cloudy with occasional lightning. Clouds cir. cumn. Light showers from N. W. 1st part, West afterwards.

A. C. Foundstone.
Ensign U. S. N.

From 4 to 8 A. M.

Fair weather. Light airs from N. N. W. first half shifting to light breze from N. E. last half. Received in Pay Schr 128 ℔s each of fresh beef & vegetables and 1030 lbs fresh bread.

F. J. Fooms,
Ensign U. S. N.

From 8 A. M. to Meridian.

Fair. Light airs from N. by E. to A. 30 went to quarters for inspection & exercised Divisions as follows: viz: 1st Div Rifles, 2d Cutlass Sticks 3d Rifles, Had Machine Guns. Received official visit from the Comdg Officer of Chinese man of war "Yang Wei"

F. A. Levis
Naval Cadet U. S. N.

From Meridian to 4 P. M.

Fresh gales cloudy pleasant. Clouds cir. cumn. Light breze from East. Chinese cruiser left the harbor. Paraded Marine Guard in honor of French Minister to China, leaving the harbor in a mail steamer. Hauled fires in boilers 5, 6, & 8. Commenced making preparations for sea. Bent main topsail and fore topmast staysail.

A. C. Foundstone.
Ensign U. S. N.

From 4 to 8 P. M.

Partly clear. Light to gentle breze from East & E by S. Made preparation for sea. At 5.30 minutes Crew at quarters. At 5.35 called all hands up anchor. Got underway at 6.03 & stood out of Chefoo harbor with the Comdg Officer at the comn. At 6.05 put pilot on P. L. At 6.45 took Separation Mound N. W. ½ N. S. Rock N. E. ¼ N. (fm) & changed course to E. ½ N. Capt first lt, aft 16. By order of Comdg Officer relieved James Welsh, Q. M. 2 C. from confinement. At end of watch Chefoo Light House bore (fm) W. by N. Ships Head E. ½ N.

W. B. Hodgdon
Ensign U. S. N.

From 8 P. M. to Midnight

Clear & pleasant. Light airs from E. S. E. Under steam ahead. At 11.04 changed course to E by S. Cape Lod bearing S. by W. At 11.30 beat to General Quarters, fired one 6 Pdr charge and secured. Expended 1 6 lb charge, 1st bag and 1 Ct of 6 Prims.

A. T. Jewell
Lieut U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Memphis.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	5	50.8	E by S.	E by S.	1			29.94	74	74	74	74	bc	cir clr	4	S
2	4	2	58.	"		1			29.95	74	74	74	74	"	"	4	"
3	6	8	64.8	"	E " by S.	1			29.96	74	74	74	74	"	"	8	"
4	6	7	70.5	E by E 1/2 E.	"	1			29.95	78	78	74	75	"	"	8	"
5	6	0	76.5	"	"	2			29.94	79	79	75	78	"	str cumb cir cumu	8	M
6	6	9	84.2	"	"	2			29.96	79	78	75	78	"	str cir	4	"
7	6	6	91.	"	S E " by E.	3			29.94	80	79	76	78	"	cir cumu str cumb	8	"
8	6	4	97.4	"	S E by S	3			29.94	79	78	75	78	"	cir cumu cumb	5	"
9	6	3	3.7	"	S E by E.	3			29.98	79	78	75	80	"	"	4	"
10	4	0	10.7	"	"	3			30.00	80	79	75	80	"	cir cumu	3	"
11	3	0	13.7	"		3			29.98	81	80	76	81	"	"	2	"
Noon.	5	8	19.5	"	S E by S.	3			29.99	81	80	76	81	"	"	3	"

Course and distance made good since preceding noon by observations, Ship S 4 E 112 knots 7 tenths.

Position at Noon:
- Latitude by D. R. — N 32 ° 19 ' "
- Longitude by D. R. — E 123 ° 48 ' "
- Latitude by observations of ⊙ — N 32 ° 19 ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 123 ° 48 ' "

Position at 8 a. m.
- Latitude by 51 50 — N 32 ° 25 ' "
- Longitude by — E 123 ° 23 ' "

Position at 8 P. M.
- Latitude by — N 32 ° 04 ' "
- Longitude by — E 124 ° 54 ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1500 "

Coal consumed during the preceding 24 hours, 9 tons 940 lbs.

Coal remaining on hand at Noon, 97 " 36 "

P. M.													
1	4	226.4	E by E 1/2 E.	South	3	29.98	81	80	74	81	bc	circum	3	SM
2	4	3	34.	"	3	29.98	28	81	74	81	"	"	3	"
3	4	4	41.4	"	3	29.98	28	81	74	81	"	"	3	"
4	4	0	48.4	"	3	29.98	83	82	74	81	"	"	4	"
5	4	2	55.6	"	2	29.98	28	81	74	81	"	"	3	"
6	4	1	62.4	"	2	29.98	28	81	74	81	"	"	2	"
7	6	9	69.8	S by E	2	29.98	81	81	74	80	bc	cumulus	2	LS
8	6	5	76.1	"	2	29.98	28	81	74	80	"	"	8	"
9	6	2	82.3	S E 1/2 E.	South	2	29.98	28	82	74	81	cir	6	"
10	4	0	89.3	"	"	2	29.98	28	81	74	81	"	2	"
11	6	7	96.	"	"	3	30.00	81	81	74	81	cir cumu cumb	2	"
Mid.	6	5	2.6	"	"	3	30.00	81	81	74	81	"	2	"

Lat. N 37.05 long E. 125° Square 1010

under the command of Commander T. F. Jewett, U. S. Navy,

Wednesday August 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M

Clear and pleasant weather. Nimbus and stratus clouds to E. Light ajus from E by S and E by S at 4:20 sighted Shantung Light on starboard bow. Steaming course E by S. until 3: o'clock when changed to E S E ½ E. At end of watch Shantung Light bore W. by S.

From 4 to 8 A. M. Ensign U. S. N.

Generally cloudy with cirro cumulus, strato cumulus clouds. Rainy appearance latter part. Light breze from E by S. first part, shifting to S E by E and S E by S ajus gentle breze latter part. Smooth sea with ugly swell from S E. At 6:0 lost sight of N. E. Promontory Light House, bearing (p.c.) W S W. At 7:45 lost sight of N. E. Promontory of Shantung bearing (p.c.) W by N. At 7:50 set fore and aft sail. At end of watch under steam and fore and aft sail on course E S E ½ E.

From 8 A. M to Meridian. Ensign U. S. N.

Generally cloudy. Gentle breze from S E by E to S E by S. At 9:30 mustered at quarters, afterwards Divisions exercised as follows: 1st & 3d Divs Great guns 2d Div Ordnance instructions. First and exerice torpedo. Expended in Ord Dept one exercise torpedo. Forward torpedo spar guy carried away owing to stress brought on it steaming ahead. Took in fore and aft sail at 8:20 and at 9:20 P. M. Set fore and aft sail at 9:10 and 11:20 P. M. Steamed about torpedo target from 10:20 to 10:50. At end of watch on course E S E ½ E, under steam and fore and aft sail.

From Meridian to 4 P. M. Ensign U. S. N.

Weather pleasant. Generally cloudy. Gentle breze from South. Course E S E ½ E under steam and fore and aft sail.

From 4 to 6 P. M. Lieut U. S. N.

Cloudy weather. Light breze from South Steaming course E S E ½ E. P. Log registered 62.- at end of watch.

From 6 to 8 P. M. Ensign U. S. N.

Generally clear with light cumulus clouds. Bright starlight with moon showing latter part. Occasional lightning. Light breze from S S E. Smooth sea with long S E. swell. Ship rolls. At 6:50 took in fore and aft sail. At end of watch, on course E S E ½ E, under steam alone.

From 8 P. M. to Midnight Ensign U. S. N.

Generally clear first part, cloudy last part with light passing shower last hour. Light to gentle breze from South. At 8: changed course to S E by E ½ E and at 8:40 set fore and aft sail. At end of watch on course S E by E ½ E under steam and fore and aft sail.

Examined and found to be correct

E. P. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	2	8.7	S.E. by E.½ E.	South	2			30.008	180	78	81		b.c.	cum.-nim.	0	S. M.
2	6	5	15.2	"	"	2			29.98	80	"	"	"	b.c.	"	3	"
3	6	7	21.9	"	"	2			29.94	79	"	"	"	"	"	5	"
4	6	6	28.6	N.E.½ E.	S.E.	2			29.96	"	"	76	75	"	"	7	"
5	Ships Head			S.W.½ W.		2			29.96	"	"	76	75	"	cir. cum.	5	S
6	4	6	31 32.6	E.S.E. E.N.E.	"	2			29.96	"	76	76	74	"	"	4	"
7	2	2	40.	"	"	2			29.96	"	76	75	74	b.c.	"	3	"
8	2	9	49	"	E. by S.	2			29.96	"	76	75	74	"	"	3	"
9	2	6	55.5	Steaming thro	"	1-2			29.94	"	79	76	75	"	Str.	6	S.-E.
10	8	4	63.9	Prince Imperial	E.N.E.	1-2			29.94	"	80	80	79	"	"	5	"
11	11	3	76.2	Archipelago for	S. by E.	1			29.96	"	80	79	75	b.c.m.	"	2	"
Noon.	7	6	82.8	Chemulpo	"	1			29.96	"	82	81	78	"	"	4	"

Course and distance made good since preceding noon by observations, 163 knots. 3 tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° / "

Water expended during the preceding 24 hours, 2400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 11100 "

Coal consumed during the preceding 24 hours, 10 tons 860 lbs.

Coal remaining on hand at Noon, 86 " 1416 "

P. M.												
1	2	2	90.5	Steaming in for Anchorage	S.W.	1	29.95	82	82	78	b.cum.	cir.-cum.-str.	4	S
2	1	1	91.6	Ships Head	"	2	29.94	82	82	78	"	"	4	"
3				S.W. by S.	"	2	29.94	84	83	78	"	"	3	"
4				S. by W.	"	3	29.92	84	83	79	"	"	3	"
5				S.S.W.	"	3	29.90	83	82	79	"	"	4	"
6				"	"	3	29.89	83	82	79	"	"	4	"
7				"	"	3	29.88	82	81	79	"	"	3	"
8				"	"	3	29.87	82	81	78	"	"	3	"
9				S. by W.	S.	2	29.85	82	81	79	b.c.	"	3	"
10					S.W. by S.	2	29.85	82	81	79	"	"	3	"
11				N.E.	S.S.E.	4	29.83	81	81	79	"	cum.-nim.	2	"
Mid.				Squall	"	4	29.83	81	81	79	b.c.	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,
Thursday August 25th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A M

Cloudy during first part of watch, then clear & pleasant. Light breeze from South. Course S.E. by E.½ E. at 2. A changed course to N.E.½ E. at 2.30 sighted land on starboard bow, several small islands. At end of watch a number of islands in sight ahead & on both bows. At 3.45 took in sail & stopped to sound. At 4. anchored with port anchor in 16 fms water, veering to 45 fms on chain. Bearing of anchorage N.W. Rocks N.E.½ E, Pang-ui-upon Islands E.N.E.½ E, Buncegi E.½ S, Current 1.8 N.E. by E. Draft 13.8" & 15.10".

C.A.F. Jewell
Lieut U.S.N.

From 4 to 8 A M.

Cloudy weather with fog last two hours. Light breeze from S.E. at 4.30 started fires in boilers 2 & 4. at 4.50 brought to chain & hove up port anchor. At 5.05 got underway. Steaming course E.S.E. Current 5.00 when changed to E.N.E. Pg. Ind. log at 8.

Edson
Ensign U.S.N.

From 8 A M. to Meridian.

Partly clear foggy first part. Hazy afterwards. Light airs to breeze from E.S.E. to E.N.E. first part. Light airs from S.S.E. afterwards. Stopped at 9 oc & sounded fog whistle in passing through a fog bank. Smooth sea, with frequent heavy tide rips. Steaming up Main Channel thro' Pryce Imperial Archipelago for Chemulpo Harbor. At 11.30 exchanged numbers with U.S.S. "Omaha" off Chemulpo. At 11.50 passed Jo-Do-mi (Round Island). At end of watch steering for Loge Island, under steam & sails, on course N.N.E.½ E.

W.C. Brownell
Ensign U.S.N.

From Meridian to 4 P M

Partly clear. Hazy. Light airs to gentle breeze from S.W. Steaming up Palie Kwan for anchorage the Comdg Officer at the comm. Exchanged numbers with U.S.S. "Omaha" Made General Signal to "Omaha" Int 12 11. "Omaha" answered Go ahead at 2.50 called all hands bring ship to, anchor. At 1.11 stopped engines & at 1.18 let go starboard anchor in 5 fms water. At 2.20 let go port anchor. Moored ship to 5 fms on port chain, 60 fms on starboard. Received boarding visits from "Omaha" & a Japanese & a Chinese vessel in Harbor. Comdg Officer paid an official visit to the "Omaha". Bearings at anchorage. Roze Island Church N.N.E. 3/4 E (pc). Bearing on Smith Island E.N.E. 1/4 E (pc). At 3.45 hauled fires from boilers 2. 4, 5. 6 & 8 & transferred to 1 & 3 for distilling. Draft 13.8" & 15.10".

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 P M

Partly clear with cir-cumm clouds. Hazy around horizon. Gentle breeze from S.W. Riding to flood at 7 flood set N.N.E. 2 knots. P.A. Eng Easton received orders detaching him from this vessel sailing in with the U.S.S. "Palos". At 6 U.S.S. "Omaha" sunk preparatory 6 of 3 at at 6.30 6 of 3. At sunset dist down P.J. Yards. Commenced distilling at 7.55. Received a mail from United States.

H.C. Taylor
Ensign U.S.N.

From 8 P.M. to Midnight

Partly clear first part, over cast last part. Light to moderate breeze from S.W. to S.S.E. Distilling. Crossed in Lower Port chain on buoy.

W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

C.P. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N. by W.	SW.	4			29.81	80	78			o.cg.	cumuli	0	S
2						4			29.79	80	78			" p.	"	0	"
3	Flood			SW. by W.	"	4			29.78	80	78			b.cg.	cumuli	4	"
4				SW. by S.	"	4			29.78	80	78			" p.		3	"
5				SSW.	"	3-4			29.78	79	78			b.cp.	cirro cumuli	2	"
6				SW. by S.	"	3-4			29.78	79	78			p.cumgr.	cumuli	0	"
7					"	3-4			29.78	79	78			"	"	0	"
8						3-4			29.78	80	79			"	"	0	"
9				SSW.	W. by SW.	3			29.76	80	79			b.cum	cirro cumuli	3	"
10				SW.	"	3			29.78	80	79			"	"	2	"
11	Ebb			NW. by N.	"	3			29.78	80	78			"	cumuli	2	"
Noon.		"		North	"	3			29.76	80	79			"	"	2	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 408 gallons.

Water Distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at Noon, 12700 "

Coal consumed during the preceding 24 hours, 1 tons 770 lbs.

Coal remaining on hand at Noon, 85 " 646 "

P. M.														
1	Ebb	North	West	3		29.76	80	78	b.c.	cirro cumuli	3	S		
2			"	3		29.76	81	80	"	"	6	"		
3	"	N. by W.		2		29.77	82	81	"	"	5	"		
4	Slack Water	NW by W.	W. by N.	2		29.77	82	81	"	cirro cumuli	3	"		
5	Flood	SSW.	W. by S.	1		29.76	81	80	"	cirro cumuli	2	"		
6	"			1		29.76	81	80	b.cr.	cumuli	0	"		
7	"	SW. by S.	"	1		29.74	80	80	" t	"	0	"		
8	"			1		29.73	82	79	b.cr.	"	0	"		
9	"	SSW.	North	2		29.72	82	80	b.c.	"	0	"		
10	"	SW.	ENE.	2		29.74	82	80	b.cl.	"	0	"		
11	Slack Water	"	East	2		29.73	82	80	b.c.	"	0	"		
Mid.	Ebb	East	ESE.	2		29.73	82	80	b.cp.	"	0	"		

under the command of Commander T. F. Jewett, U. S. Navy,

Friday August 26th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M.

Generally overcast and cloudy with light short rain squalls during last hour. Moderate breeze from S.W. Ebb tide. Ebbed in hawse.

A.T. Jewett
Lieut U.S.N.

From 4 to 8 A.M.

Partly clear first hour, with light passing showers. Misty and rainy afterwards with squalls from S.W. in gentle to stiff breeze. Moderate sea and swell from S.W. Cloudy, circumscribed with U.S.S. "Omaha" unmoored ship. Cleaned bilges. At 7h 30m "Omaha" made signal Dress all blue. Ebbed in hawse. Distilling. Strength of flood at 8 o'c 1.8 knots.

N.C. Comerstone
Ensign U.S.N.

From 8 A.M. to Meridian

Generally cloudy, hazy. Gentle breeze from W.S.W. The "Omaha" got underway and left the harbor at 9. At 9 to commenced at quarters afterwards exercised, Divisions as follows: 1st Div Single Sticks, 2d Div Revolvers, 3d Div Rifles, Powder Div Stations. Distilling. Ebbed in hawse, put chain on top

W.C. Haggett
Ensign U.S.N.

From Meridian to 4 P.M.

Partly cloudy. Light to gentle breeze from West and N.W. Commenced to bring to flood at 3:30. Ebbed in hawse.

A.T. Jewett
Lieut U.S.N.

From 4 to 8 P.M.

Overcast, raining heavily last two hours with thunder and lightning to the W. Light airs from W. by S. Cleared hawse. Distilling. Lost overboard one shackle pin for bower chain.

W.C. Haggett
Ensign U.S.N.

From 8 P.M. to Midnight

Cloudy with rain at intervals. Light breeze from West to East at 9:20 paying the pin back and exercised at fire quarters. First stream in 1m 15s. Second at 9:35. Commenced bringing to ebb at 11:20. Ebbed in hawse port chain on top.

A.T. Jewett
Lieut U.S.N.

Examined and found to be correct.

E.P. Gaccoway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N. N. E.	S. E.	2			29.70	80	78	74		o.c.v.	cumuli	0	S
2	"			N. N. W.	S. W.	2			29.70	80	79	78		"	"	0	"
3	"			N. N. W.	S. W.	4			29.69	80	79	78		"	"	0	"
4	Flood			W. N. W.	"	3			29.66	79	78	76		"	"	0	"
5	"			S. S. W.	"	1			29.64	78	77	75		"	"	0	"
6	"			"	"	1			29.63	78	77	76		o.c.v.	"	0	"
7	"			"	"	4			29.60	78	76	76		"	"	0	"
8	"			S. W.	N. N. W.	4			29.62	76	76	75		"	"	0	"
9	"			S. S. W.	"	2			29.64	74	74	75		"	"	0	"
10	"			S. W. by S.	"	1			29.66	76	76	75		"	"	0	"
11	Ebb			N. N. W.	North	2			29.67	76	75	74		"	"	0	"
Noon.	"			N. by E.	N. E.	2			29.67	73	72	71		"	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1250 "

Water remaining on hand fit for use at Noon, 2750 "

Coal consumed during the preceding 24 hours, 1 tons 1130 lbs.

Coal remaining on hand at Noon, 83 " 1756 "

P. M.																	
1	Ebb		N. N. E.	North	3			29.64	73	72	71		o.c. cum nim		0	S	
2	"		N. by E.	"	3			29.68	74	73	70		"	"	0	"	
3	"		North	"	2			29.71	69	69	71		b.c.	cumuli	1	"	
4	"		"	"	3			29.72	69	68	71		"	"	3	"	
5	Slack Water		N. E.	"	3			29.73	69	69	71		"	"	4	"	
6	Flood		S. S. E.	N. N. E.	3			29.67	74	74	67	2	"	cir cum strat	5	"	
7	"		S. S. W.	"	3			29.70	74	74	69	2	"	"	5	"	
8	"		"	"	2			29.76	74	74	69	2	"	cir cumu strat	4	"	
9	"		S. by W.	"	1			29.76	74	74	69	3	"	cir cumu	3	"	
10	"		S.	"	1			29.78	76	69	69	2	"	"	2	"	
11	Slack Water		South	"	3			29.78	76	74	71		"	"	9	"	
Mid.			East	"	3			29.80	75	73	69		"	"	8	"	

under the command of Commander T. F. Jewett, U. S. Navy,
Saturday August 2nd, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.

Overcast and rainy. Light breez from S.E. first half changing to moderate breez from S.W. last half. Distilling. Four hawse, port chain on top. Ebb tide.

T. D. Sonnia
Ensign U.S.N.

From 4 to 8 A.M.

Overcast cloudy and heavy rain. Lightning first hour. Light airs from S'd and moderate breez from N.N.W. Ebb in hawse. Distilling.

Ensign U.S.N.

From 8. A.M. to Meridian

Overcast cloudy and rainy. Light breez from N.N.W. to N.E. At 10:50 steering to ebb. Moor in hawse, port chain on top. Distilling.

S.F. Jewett
Lieut U.S.N.

From Meridian to 4 P.M.

Cloudy increasing to fair weather. Gentle to light breez from North. Four hawse, port chain on top. Distilling

T.D. Sonnia
Ensign U.S.N.

From 4 to 8 P.M.

Pleasant clear. Gentle breez from N. & N.N.E. At 6:00 steering the good. Clear hawse. At sunset crossed top gallant yards. Received in Pay Sept 1000 lbs Copper.

A.F. Jewett
Lieut U.S.N.

From 8 P.M. to Midnight

Clear cool and pleasant. Light airs increasing to gentle breez from N.N.E. At 8:30 stopped distilling and hauled fires in boilers 1 & 3. At 11:30 began to steering to ebb tide. Clear hawse.

T.D. Sonnia
Ensign U.S.N.

Examined and found to be correct.

E.D. Galloway Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Cheeriepo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N N E	N N E	3			29.80	71	70	68		b.	cumi	10	S
2	"			N by E	"	3			29.80	71	69	67		"	"	10	"
3	"			"	"	2			29.81	69	69	67		"	"	10	"
4	"			"	"	2			29.82	69	68	66		"	"	10	"
5	"			"	"	2			29.86	69	68	65		b. c.	cir cir	9	"
Employing the Flood				N E by N	"	2			29.89	69	67	64		"	"	9	"
7	Flood			E by N	"	2			29.93	69	67	66		"	cir	9	"
8	"			S W by S	N E	2			29.93	70	68	66		"	"	9	"
9	"			S S W	"	2			29.93	71	70	67		"	cir cumi	8	"
10	"			South	E N E	2			29.93	72	72	68		"	"	8	"
11	"			"	"	2			29.94	74	73	69		"	"	8	"
Noon.	"			"	"	2			29.94	76	74	70		"	"	8	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at Noon, 2250 "

Coal consumed during the preceding 24 hours, tons 14/80 lbs.

Coal remaining on hand at Noon, 80 " 276 "

P. M.									
1	Slack Water	N by E	N E	2	29.93	71	b. c.	cir cumi	8
2	Ebb	"	"	2	29.93	71	"	"	8
3	"	"	N E by E	3	29.93	71	"	"	8
4	"	N E by N	"	3	29.93	70	"	"	8
5	"	"	E by E	2	29.94	69	"	"	9
6	"	N E	"	2	29.95	69	"	"	9
Employing the Flood		N W by W	"	2	29.95	69	"	"	9
8	Flood	W S W	N N W	1	29.96	69	"	"	9
9	"	S S W	East	1	29.96	68	c.	cumi	10
10	"	S by W	"	1	29.96	67	"	"	10
11	"	"	"	2	29.96	67	b. c.	cir cumi	8
Mid.	"	South	"	3	29.92	67	"	"	8

under the command of Commander T. F. Jewett, U. S. Navy,
Sunday August 28th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M.
Clear and cool. Gentle to light breeze from N. E. Crossing bar, first chain on hook.

From 4 to 8 A.M. F. A. Lewis Naval Cadet U. S. N.
Clear and pleasant. Light breeze from N. E. Received in Cap. Sept for issue to crew 128 lbs each of fresh beef and weighed as 1/03 the fresh beef.

From 8 A.M. to Meridian. C. F. Peshine Lieut U. S. N.
Clear, cool and pleasant. Light breeze from N. E. first hour and E. N. E. remainder of watch. At 9. so mustered and inspected at quarters and immediately after called all hands to muster and published General Orders No. 16 and 17. Held Divine Service.

From Meridian to 4 P.M. F. J. Boomis Ensign U. S. N.
Clear and pleasant. Light to gentle breeze from N. and E. Barometer steady. Ebb tide. Crossing bar, short chain on hook.

From 4 to 8 P.M. F. A. Lewis Naval Cadet U. S. N.
Clear, cool and pleasant. Light breeze from E. N. E. shifting to light airs from N. N. W. last hour. At 6. to began to swing to flood tide. Crossing bar, port chain on hook.

From 8 P.M. to Midnight. F. J. Boomis Ensign U. S. N.
Clear and cool. Light airs increasing to gentle breeze from E. by N. Flood tide. Ebbed in Lower. Ebbed on Lower, port chain on hook.

F. A. Lewis Naval Cadet U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate,

Mooring in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1	Flood			S. by E.	East	2-3			29.94	75	74	72		b.c.	cir cum	8	S
2	Slack Wate			E. S. E.	"	2-3			29.99	75	74	72		"	"	8	"
3	Ebb			N. E. by N.	"	2-3			29.99	74	73	71		b.cu.	cu.	10	"
4		"		"	"	2-3			29.99	73	72	71		"	"	10	"
5		"		"	"	3			29.98	71	70	69		"	"	10	"
6		"		"	E. N. E.	3			30.00	71	70	68		b.	"	10	"
7		"		"	"	3			30.01	71	70	68		"	"	10	"
8		"		E. by N.	"	3			30.03	73	72	69		"	"	10	"
9	Flood			S. S. E.	East	3			30.06	76	74	72		b.c.	cir	9	"
10		"		S. S. W.	"	3			30.07	76	76	73		b.c.	"	9	"
11		"		S. by W.	S.	2			30.06	74	78	75		"	cir cum cir	9	"
Noon.		"		"	S. by W.	1			30.04	78	78	75		"		8	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, Hm gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2350 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 82 " 2116 "

P. M.											
1	Flood	S. S. W.	W. S. W.	1	30.01	79	78	76	b.cu.	cir cum	S
2		W. by S.	"	2	30.00	79	78	75	"	"	"
3	Ebb	N. N. E.	"	2	29.99	79	78	75	"	"	"
4	"	N. by E.	"	2	29.99	79	79	76	"	"	"
5	"		"	1	29.99	80	79	77	"	"	"
6	"	N. N. E.	N. N. W.	1	29.99	80	79	79	"	"	"
7	"		"	1	29.99	79	78	76	"	"	"
8	"	N. E. by E.	"	2	30.00	78	77	76	"	"	"
9	Flood	S. W.	North	2-3	30.00	78	78	76	"	cum cir	"
10	"	S. W. by S.	"	2-3	30.00	78	77	76	"	"	"
11	"	S. S. W.	"	2-3	30.00	78	77	76	"	"	"
Mid.	"	"	S. E.	2-1	30.00	78	77	76	"	"	"

under the command of Commander T. F. Jewett, U. S. Navy,

Monday August 29th 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A. M.

Generally clear, with light air. cumn clouds 1st part. Hazy latter part. Bright starlight. Moon set at 2h. Light to gentle breeze from East. Rising to flood tide time 1h, when tide slacked. at 12 oc, strenght of flood was 1. Knots. Coming to ebb at 2 oc. at end of watch, strenght of ebb 1.5 Knots. Rounded turn in hawse.

W. H. Townsend
Ensign U. S. N.

From 4 to 8 A. M.

Clear, cool and pleasant. Gentle breeze from E. N. E. at 5. Hs began to swing to port to flood tide. Rounded turn in hawse port chain on top. Received in Pay Dept for issue to crew 128 lbs each of fresh beef and vegetables and 10 lbs of bread.

J. H. Loomis
Ensign U. S. N.

From 8 A. M. to Meridian.

Clear and warm. Hazy. Gentle breeze from East first two hours decreasing to light breeze third hour and last hour light air from S by E. At 9.30 called all hands and clear ship for action then beat to general quarters. Tested magazine and shell room flood cocks and torpedo apparatus; found them in good condition except one boat batting. Coming to flood tide at 8.45. Rounded turn in hawse, port chain on top.

W. A. Lewis
Naval Cadet U. S. N.

From Meridian to 4 P. M.

Partly clear hazy, clouds and cumn. Light airs to light breeze from S. W. Bright and warm, clear hawse. Rising to flood time 2h, when tide slacked. Commenced swinging to ebb at 2.10. finished at 2.40. Exercised sailing manned at Arms and away. Furled sails at 3.50. Expended two 1 oz charges and bag and 6 Metallic friction primers. Clear Hawse. at 4 oc, strenght of ebb 1. Knot.

H. C. Townsend
Ensign U. S. N.

From 4 to 8 P. M.

Generally cloudy. Light airs increasing to light breeze from N. and W. Ebb tide. at sunset sent down top gallant yards and masts. clear hawse.

W. A. Lewis
Naval Cadet U. S. N.

From 8 P. M. to Midnight

Hazy and cumn. str. clouds. Bright moonlight. Light to gentle breeze from N. and W. last hour, when round came out in light airs to breeze from S. E. Slack water time 8.20, when commenced to swing. Finished swing to flood at 9 oc. at end of watch, strenght of flood 1. Knot. Clear Hawse.

W. H. Townsend
Ensign U. S. N.

Examined and found to be correct.

A. D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Cheemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.																	
1	Flood			S S W.	E S E.	2			29.98	46	46	45		bc.	cir. cumm	4	S
2		"		S by W.	S S E.	2			29.96	46	46	44		"	"	4	"
3		"		South	S S E.	3			29.96	46	46	44		"	"	6	"
4		"		E S E.		3			29.96	46	46	43		"	"	6	"
5	E "bb			N E.	E S E.	3			29.98	45	44	43		"	"	4	"
6		"		E N E.	S E.	3			30.00	44	44	42		"	"	4	"
7		"		E by N.	S S E.	4			30.01	44	43	43		"	"	3	"
8		"		S E.	S E.	2			30.00	44	43	42		"	"	4	"
9	Flood			S by E.	"	3			30.01	46	45	42		"	"	6	"
10		"		South	"	3			30.03	46	46	43		"	"	4	"
11		"		S by W.	"	3			30.02	44	44	44		"	"	6	"
Noon.		"		S S W.	"	3			29.99	48	44	46		"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1950 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 82 " 1716 "

P. M.											
1	Flood	S S W.	S by W.	3	29.98	49	48	46	bc.	cir. cumm	S
2	"		S S W.	1	29.98	49	49	44	"	" 5	"
3	"	S W.	S W. by W.	2	29.96	80	50	48	"	" 3	"
4	"	West	W. S W.	2	29.96	80	49	47	"	" 4	"
5	E "bb	North	"	2	29.97	49	48	47	"	bs 4	"
6	"	N by W.	"	2	29.96	49	48	46	"	" 4	"
7	"	"	"	2	30.01	49	48	46	"	" 2	"
8	"	N N W.	"	2	29.97	49	48	44	"	" 2	"
9	Flood	W S W.	S S W.	2	29.91	48	48	46	"	cir cum 3	"
10	"	S W.	"	3	29.92	48	48	44	bc	cumm 0	"
11	"	S S W.	"	3	29.92	48	48	44	"	" 0	"
Mid.	"	"	"	3	29.93	48	48	44	"	" 0	"

under the command of Commander J. F. Moore, U. S. Navy,
Tuesday August 30th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A. M.

Partly clear. Light to gentle breeze from E. S. E. to S. S. E. Sweeping to ebb at end of watch. Moored in harbor with port chain on top.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 A. M.

Cloudy. Fresh, moderate and light breezes from S. S. E. Received in Engr's Dept one barrel kerosene. At 8. sent up top gallant masts and yards. Pumped bilges. Moored in harbor, port chain on top.

W. L. Sebree
Naval Cadet U. S. N.

From 8 A. M. to Meridian

Partly clear with cirro-cumulus clouds. Bright and warm. Gentle breeze from S. E. At 9.30 went to quarters for inspection after which drilled as follows: 1st, 2d and 3d Divisions at Gt. Gun Powder Div. Stations, Marines, Infantry. Overhauled waste pipes of magazine and sheet room. Rigged sailing launch. Overhauled hammocks. By order of Comd'g Officer, placed C. McMahon, Sea in double irons for leaving quarters without permission. Finished sweeping to flood at 9.30 A. M., at end of watch, riding to flood strength 1.6 knots. Clear Harbor.

W. C. Townsend
Ensign U. S. N.

From Meridian to 4 P. M.

Partly clear. Pleasant. Light and gentle breeze from W. S. W. to S. by W. At 1.15 sounded "Battalion Call". Formed and Equipped Sea Going Battalion. Employed hoisting sails. Clear Harbor.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 P. M.

Partly clear with cirro-cumulus and stratus clouds. Hoar shoving last hour. Light breeze from W. S. W. At 5.30 commenced drill with sheets and sails, hoisted light sails, crossed light yards, made sail to royals, furled sail, sent down light yards and top gallant masts. Finished drill at 6.05. Serviced out clean hammocks. A German steamer left the harbor. Tide slacked at beginning of watch. Moving to ebb at 4.30. At end of watch, strength of ebb 1.6 knots. Clear Harbor.

W. C. Townsend
Ensign U. S. N.

From 8 P. M. to Midnight

Overcast and cloudy. Light and gentle breeze from S. S. W. Rising to flood. Clear Harbor.

W. B. Hoggatt
Ensign U. S. N.

Examined and found to be correct.

C. D. Galloway
Lieut. and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Flood			SW by S	SW by W	4			29.89	48	49	49		b.c.	cum & cirrus	1	S
2				S SW	S SW	4			29.87	47	47	47		o.c.	cirrus	0	N
3		"		SW by S	"	4			29.86	47	47	48	47	"	"	0	"
4		"		SW	"	4			29.85	47	47	48	48	"	"	0	"
5	Ebb			N NW	NW	3			29.86	46	46	46		"	"	0	"
6		"		N by W	"	3			29.90	46	45	45		b.c.	cir cum cirrus	2	"
7		"		North	North	3			29.93	46	45	45	43	"	cir cum	4	"
8		"		"	"	3			29.93	45	43	46		"	"	2	"
9		"			NE	1			29.94	45	44	44	41	"	"	2	"
10		"		ENE	"	1			29.95	46	46	45	42	"	"	3	"
11	Flood			SW by W	Calm	0			29.96	47	47	46	43	"	"	3	"
Noon.		"		S SW	"	0			29.94	49	47	47	43	"	"	3	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1450 "

Coal consumed during the preceding 24 hours, tons 760 lbs.

Coal remaining on hand at Noon, 82 " 986 "

P. M.												
1	Flood	SW	NW	2	29.94	48	47	43	b.c.	cum & str	1	S
2	"	SW by S	"	3	29.94	48	47	43	"	"	1	"
3	"		West	3	29.93	48	47	44	"	"	2	"
4	Slack Water	SW	"	3	29.93	48	47	44	"	"	4	"
5	Ebb	NW by W	"	3	29.94	48	47	44	"	cir cum cirrus	3	"
6	"	N by W	"	3	29.92	48	47	43	"	"	2	"
7	"	"	"	3	29.94	48	47	43	"	"	4	"
8	"		"	3	29.94	48	46	43	"	"	4	"
9	Flood	NNW	"	2	29.94	47	45	45	"	"	4	"
10	"	SW	"	2	29.96	46	45	43	"	cir cum	2	"
11	"	SW by W	"	2	29.96	46	46	44	"	"	8	"
Mid.	"	SSW	"	2	29.95	46	46	44	"	"	8	"

under the command of Commander T. A. Jewell, U. S. Navy,
Wednesday August 31st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and Ended A.M.

Overcast & cloudy with light rain during first & heavy rain last hour. Moderate breezes from S. S.E. & S.W. by W. Flood tide. Clear hawse

From 4 to 8 A.M. Lieut C. A. T. Dewitt U.S.N.

Overcast & cloudy first part with heavy showers. Clouds emit. Clearing latter part with circumscribed clouds. Fresh breeze from W.N.W. part shifting to North latter part. At 8 o'c crossed top gallant yards & loosed sails to a breezing. Fitting to ship. Clear hawse

From 8 A.M. to Meridian. Ensign A. C. Commerford U.S.N.

Generally cloudy. Squalls & light rain from N.E. Mustered crew at quarters, at 9.25 afterwards exercised at following: 1st Div Instruction, 2d & 3d Divs Great Guns, Nos Six Stations, Powder Div Stations. Exercised at boat drill. Hoisted out steam cutter & rigged it for torpedoes. Overhauled boat falls & coiled in hawse, starboard chain on top.

From Meridian to 4 P.M. Ensign W. B. Stoggatt U.S.N.

Cloudy generally. Light to gentle breeze from N.W. to West. Overhauled torpedo fittings of steam cutter. Engaged in overhauling sailing rig of launch & making topsail for her. Flood tide. Crossed in hawse, starboard chain on top.

From 4 to 8 P.M. Lieut C. A. T. Dewitt U.S.N.

Generally cloudy. Fresh breeze from West. Received 50 lbs tobacco in Pay Dept. At 6 called all hands & shook reefs. Crossed royal yards, made plain sail to royals, took single reef in topsails, furled royals, then took second reef in topsails and furled top gallant sails. Sent down royal yards, shortened & furled sails sent down top gallant yards & masts. Coiled in hawse, starboard chain on top.

From 8 P.M. to Midnight Ensign W. B. Stoggatt U.S.N.

Weather pleasant & clear. Bright moonlight. Light breeze from West. At 10:30 steering to Flood. Crossed in hawse, starboard chain on top. At 10:32 beat to Gunners Quarters 1st Div ready in 5' 9", 2d 3' 5", 3d 3' 20", Nos 3' 10", Powder 22" Engineers 3' 10", Marines 3' 10". Expended in Ordnance & Sept 1 60 lbs Powder Charges (6 lbs). 1-8" Charge (3 lbs), 2-9" Charges (10 lbs) with Bags & Primers. C. A. T. Dewitt

Lieut U.S.N.

Examined and found to be correct.

C. D. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex," 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Fwd			S S W.	W. N. W.	2			29.96	45	45	43		b. c.	cir-cumst	9	S
2	"			S by W.	"	2			29.96	45	45	43		"	"	9	"
3	"			S W	"	1			29.96	45	45	43		"	"	9	"
4	"			S W	Calm	0			29.97	45	44	43		"	"	9	"
5	Stack Water			E S E.	"	0			29.97	45	44	43		"	"	5	"
6	Ebb			N N E.	N. E.	1			30.01	46	44	43		"	str	6	"
7	"			N E by N.	E S E.	2			30.01	47	45	44	43	"	cir-cumst	9	"
8	"			North	Calm	0			30.02	47	47	45	44	"	"	5	"
9	"			N by W.	West	2			30.02	47	46	47	44	"	"	5	"
10	"			"	"	2			30.03	47	48	46	45	"	"	5	"
11	Fwd			S W by S	"	2			30.04	47	48	47	44	"	str	5	"
Noon.	"			S S W.	W. S W.	2			30.04	47	48	47	44	"	"	6	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, Hon gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1050 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 82 " 586 "

P. M.											
1	Fwd	S W by S	S W	3	30.01	48	47	44	b. c.	cir-cumst	6	S
2	"	S S W.	W. S W.	3	30.00	49	48	45	"	"	5	"
3	"	"	West	3	29.98	49	48	46	"	"	5	"
4	"	"	W. N. W.	3	29.98	49	48	45	"	"	6	"
5	Stack Water	S W.	West	2	29.99	49	48	45	"	"	5	"
6	Ebb	North	"	2	30.00	48	48	45	"	"	5	"
7	"	N by W.	"	2	29.98	47	47	44	"	"	5	"
8	"	N by W.	"	2	29.98	47	47	44	"	str	2	"
9	"	"	"	2	29.99	46	45	43	"	cumm	1	"
10	Fwd	"	"	2	30.00	45	44	42	"	"	0	"
11	Fwd	S S W.	W. N. W.	2	30.00	45	45	43	b. c.	"	0	"
Mid.	"	"	Calm	0	29.99	46	45	44	b. c.	fr. cum-ulus	0	"

under the command of Commander T. F. Jewett, U. S. Navy,
Thursday September 1st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Clear and pleasant. Light breeze, decreasing to light airs from W. Sea. Flood tide. Moored in harbor, starboard chain on top.

T. J. Boomer
Ensign U.S.N.

From 4 to 8 A.M.

Partly clear. Pleasant. Calm. Light airs and breeze from N.E. and E.S.E. Received in Pay Dept 128 7/16 lbs each of fresh beef and vegetables and 103 lbs fresh bread. Clear hawse. Riding to ebb. Crossed T.G. Yards and sent up T.G. Masts at 8 in 3.00.

W.B. Hoggatt
Ensign U.S.N.

From 8 A.M. to Meridian

Fair. Westerly light breeze. At 9. the First Division left the ship for Competitive Rifle Match. At 9.30 inspected at quarters. Exercised according to Divisional Routine. At 10.10 all hands to Muster and read order of the Captain prescribing the terms of the Competitive Rifle Match. At 11. Moored to flood. Clear hawse.

E.D. Galloway
Lieut U.S.N.

From Meridian to 4 P.M.

Fair. Light breeze from West. At 2.15 sighted U.S.S. "Brooklyn." At 2.30 U.S.S. "Brooklyn" came to, anchor ahead. Commanding Officer made an official call on Flagship. At 3.05 exploded one Torpedo hauled from Steam Launch. At 3.45 started fires in boilers 1 and 3 for Distilling. The Executive Officer left the ship on leave of absence. Distilling.

T. J. Boomer
Ensign U.S.N.

From 4 to 8 P.M.

Weather pleasant. Generally clear. Light breeze from West. At 5.30 Steaming to set Clear hawse. At 6. made Int Signal 4 to 0. Flagship answered Cast. Called all hands and sent aloft to sails. Sending old hands to their proper times 18. At 6.30 made Int Signal 6 to 0. Flagship answered 0 to 4. Sent down T.G. Masts. Hoisted pigot in steam Cutter. At 5.30 commenced Distilling.

A.F. Robertson
Lieut U.S.N.

From 8 P.M. to Midnight

Cloudy with light passing showers last hour. Light breeze from West and N.N.W. Calm last hour. Distilling.

T. J. Boomer
Ensign U.S.N.

Examined and found to be correct.

E.D. Galloway
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Cheemipo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.																	
1	Fleet			S S W.	E S E	1			29.98	76	74	73		b c	cir cum	2	S
2		"		"	"	1			29.98	76	74	73		"	"	2	"
3		"		"	"	1			29.96	76	74	73		b c fr	cumulus	1	"
4		"		South	"	1			29.95	76	74	73		"	"	0	"
5		"		"	N E	1			29.93	74	74	73		b c fr	"	0	"
6	Ebb			N E by N.	"	1			29.96	73	72	70		b c	"	0	"
7		"		N N E.	"	2			29.98	73	72	72		"	"	0	"
8		"		"	"	2			29.98	73	72	72		"	"	0	"
9		"		N by E	"	1			29.98	73	72	71		"	"	0	"
10		"		North	"	1			29.98	74	73	72		"	"	0	"
11		"		N by W.	North	2			29.98	74	70	71		"	"	0	"
Noon	Slack Water			West	"	2-3			29.92	73	70	70		"	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 240 gallons.

Water Distilled during the preceding 24 hours, 1350 "

Water remaining on hand fit for use at Noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons 1760 lbs.

Coal remaining on hand at Noon, 80 " 1036 "

P. M.												
1	Flood	S W by S	North	2	29.94	74	73	70	o c	cum & mod	0	S
2	"	S W	"	3-4	29.91	73	72	70	"	"	0	"
3	"	"	"	4-5	29.88	71	70	68	o cgd	"	0	"
4	"	"	"	5-6	29.87	71	70	68	"	"	0	"
5	Ebb	S W by W	N E	4-6	29.87	70	68	67	o cgr	"	0	"
6	"	North	North	4	29.89	67	65	63	o cr	mist	0	"
7	"	N by E	"	4	29.85	65	64	63	"	"	0	"
8	"	N N E	"	4	29.86	65	64	63	"	"	0	"
9	"	North	"	3	29.87	65	64	63	"	"	0	"
10	"	"	"	3	29.87	65	64	64	o c	"	0	"
11	"	N N W	"	3	29.87	65	64	64	"	"	0	"
Mid.	Slack Water	S W by W	N W	2	29.87	67	65	64	o c	cum mist	0	S

under the command of Commander T. F. Jewell, U. S. Navy,

Friday September 29, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M.

Cloudy and raining showers last two hours. Light airs from E. & S.E. Flood tide. Clear hawse.

D. A. Levis
Acad Cadet U.S.N.

From 4 to 8 A.M.

Cloudy. Light drizzling rain during first hour. Light airs from N.E. At 6. moving to ebb. Crossed in hawse. At 7.45 under first signal 6/40. Sent up T.G. Mast & crossed T.G. Yards.

A.F. Dearing
Lieut U.S.N.

From 8. A.M. to Meridian.

Overcast & cloudy. Light airs increasing to gentle breeze from N.E. & Port. At 9. sent Navigators Third & half of Engineers Division ashore for rifle practice. At 9.30 mustered and inspected at quarters. Exercised 1st Div. at Single Sticks & 2d Div at Rifles. At 11.30 moving to flood tide. Ebbed in hawse, starboard chain on top. Capt E.O. Matthews U.S.N. paid an official to this ship. Distilling.

F. J. Cooming
Ensign U.S.N.

From Meridian to 4 P.M.

Overcast & cloudy. Gentle breeze from Port first hour, then moderate to fresh & squally part of watch. Drizzling rain last part of watch. Barometer falling. Brooklyn fired a salute of five guns, Japanese flag at fore. Chinese man-of-war came into harbor. Hoisted sailing Launch & sent starboard stern chain. Ebbed in hawse, port chain on top. Distilling.

D. A. Levis
Acad Cadet U.S.N.

From 4 to 8 P.M.

Overcast, cloudy & raining. Moderate breeze from Port. At 5. moving to ebb tide. Crossed in hawse, port chain on top. Master of Yard's Office reported P. Doyle, C. Hy, under sentry charge for being Drunk.

F. J. Cooming
Ensign U.S.N.

From 8 P.M. to Midnight

Overcast & cloudy with rain first two hours. Gentle breeze. Moving to flood, at midnight. Ebbed in hawse, port chain on top. Distilling.

D. A. Levis
Acad Cadet U.S.N.

Examined and found to be correct.

D. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Flood			S.W.	N.W.	3			29.87	62	66	65		b.c.	cum Vind	0	S
2				S.W. by S.	"	3-4			29.87	62	62	66		b.cum.	"	0	"
3		"		"	"	3-4			29.86	66	62	66		b.cir.	"	0	"
4		"		"	"	3-4			29.85	66	66	66		b.c.	"	0	"
5		"		"	"	5			29.83	66	66	65		b.cyd.	"	0	"
6		"		North	"	4			29.85	66	65	64		"	"	0	"
7	Ebb			N.N.E.	N.N.E.	4			29.87	66	65	64		b.c.dm.	"	1	"
8		"		"	"	3-4			29.89	66	65	63		"	"	1	"
9		"		N.N.E.	"	3-4			29.91	67	66	61		b.cy.	"	1	"
10		"		North	"	3-4			29.93	69	67	65		"	"	1	"
11		"		N. by E.	"	3-4			29.93	69	68	65		b.c.	"	1	"
Noon.	Slack Water			North	"	2			29.94	71	69	65		"	"	1	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1450 "

Water remaining on hand fit for use at Noon, 3000 "

Coal consumed during the preceding 24 hours, 1 tons 1490 lbs.

Coal remaining on hand at Noon, 78 " 1786 "

P. M.														
1	Flood	S.W. by S.	North	2-3			29.95	72	70	69	b.c.	circum	3	S
2	"	S.W.	"	2-3			29.93	72	72	68	"	"	3	"
3	"	"	"	2-3			29.92	72	73	68	"	"	3	"
4	"	"	"	2			29.92	74	72	69	"	"	4	"
5	"	"	"	2			29.92	74	73	70	"	"	4	"
6	"	"	"	2			29.92	74	74	69	"	"	5	"
7	Ebb	N.N.E.	N.N.E.	2			29.92	73	73	68	"	"	7	"
8	"	N. by E.	"	1			29.95	73	72	68	"	"	8	"
9	"	North	"	1			29.96	72	72	69	"	"	8	"
10	"	"	"	1			29.98	72	72	68	"	"	9	"
11	Flood	N.N.W.	"	1			29.98	72	72	69	"	"	9	"
Mid.	"	"	"	1			29.99	71	71	69	"	"	9	"

under the command of Commander R. F. Loree, U. S. Navy,

Saturday September 3d, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Ev'g Quotient H. A. M.

Overcast & cloudy, misty 2d hour. Rainy 3d hour. Rainy appearances at end of watch. Clouds cumulus. Squally with gentle to moderate breeze from N. W. Riding to flood, strength at end of watch 1/2 knots. Employed in hawse.

H. C. Pomeroy
Ensign U. S. N.

From 4 to 8 A. M.

Cloudy with drizzling rain. Moderate decreasing to gentle breeze from N. W. shifting to N. N. E. Squally. Cumulus & cirrus clouds. At 7 a.m. Flag-ship made 11 Sig. 11 Sqns Pennant & numerals 4. At 7 a.m. sunny to obt. Employed in hawse, spar chain on top. Distilling.

F. Toomis
Ensign U. S. N.

From 8 A. M. to Meridian

Cloudy with light passing showers second & fourth hours. Moderate squalls first part of watch from N. modulating into gentle and light breeze. Stopped Distilling & hauled fires at 12. Sunny to flood at 12. Clear hawse.

F. A. Lyon
Acting Cadet U. S. N.

From Meridian to 4 P. M.

Partly clear with cirrus clouds. Light to gentle breeze from East. Sunny to flood at 12 30m. At end of watch flood set N. by E. 1 Spd knots. Sent a party of Marines ashore to fire at target.

H. C. Pomeroy.
Ensign U. S. N.

From 4 to 8 P. M.

Fair & pleasant. Light breeze to light airs from North shifting to N. N. E. this hour. Quarters for muster at 6 p.m. Clear hawse. Expended 1000 pounds shot & 24 cartridges.

F. Toomis
Ensign U. S. N.

From 8 P. M. to Midnight

F. A. Lyon
Acting Cadet U. S. N.

Generally clear with cirrus clouds. Bright moonlight. Light airs from N. N. E. At 11 45m commenced to secure to flood finished at 12 00, Clear hawse.

H. C. Pomeroy.
Ensign U. S. N.

Examined and found to be correct.

D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Log			S.W.	N.N.E.	1			30.0	22	69			b.c.	cir cum	8	S
2	"			"	"	1			30.0	22	69			"	"	8	"
3	"			"	"	1			30.0	22	69			"	"	8	"
4	"			S"	N.E.	1			30.0	22	69	68		"	"	9	"
5	"			South	Calm	0			30.0	22	69	69	69	"	"	8	"
6	"			"	"	0			30.0	24	69	69	69	b.cu.	"	8	"
7	Ebb			N.E. by N.	N.N.E.	1			30.0	62	70	69	68	"	"	9	"
8	"			N. by E.	"	1			30.0	72	70	69	68	"	"	9	"
9	"			North	"	1			30.1	24	72	69	68	"	"	9	"
10	"			"	"	1			30.1	24	74	72	68	b.c.	"	9	"
11	"			"	North	1			30.1	34	74	73	69	"	"	9	"
Noon.	Log Line Veered			N. by W.	"	1			30.1	32	75	74	70	"	"	9	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2600 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 78 " 1386 "

P. M.											
1	Log	S.S.W.	North	1	30.1	24	74	69	b.c.	cir cum	S
2	"	S. by E.	N.N.E.	1	30.0	24	74	69	"	"	2 "
3	"	S.S.W.	S.W.	2	30.0	24	74	70	"	"	2 "
4	"	"	"	2	30.0	24	74	71	"	"	9 "
5	"	"	"	2	30.0	24	74	72	"	"	8 "
6	"	"	W.N.W.	2	30.0	62	74	71	"	"	8 "
7	Ebb	S.W.	"	1	30.0	62	74	70	"	"	9 "
8	"	North	"	1	30.0	72	74	70	"	"	9 "
9	"	"	N.W.	1	30.1	24	74	70	"	"	9 "
10	"	"	"	1	30.1	24	74	70	"	"	9 "
11	"	"	"	1	30.1	24	74	70	"	"	9 "
Mid.	Log Line Veered	N.E. by N.	East	1	30.1	34	72	70	"	"	9 "

under the command of Commander D. F. Sowell, U. S. Navy,
Sunday September 4th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.
Clear bright & pleasant. Light airs from N.N.E. & N.E. Clear hawse.

W.B. Hoggatt
From 4 to 8 A.M. Ensign U.S.N.
Clear & pleasant. Calm & light air from N.N.E. Received 128 lbs fresh beef, 128 lbs vegetables & 103 lbs fresh bread. Crossed in hawse, port chain on top.

H.A. Davis
From 8 A.M. to Meridian Asst Paymr U.S.N.
Generally clear with cirrus clouds. Says first hour. Light airs from N.N.E. & North. Comdg Officer of Chinese Gunboat "Tsin Hai" called. A steam steamer came in. Went to quarters for inspection after which called all hands to muster, published Articles of War and Asiatic Station General Orders No. 18, 1896 & 20. Held Divine Service. R. Doyle C.Yeo was by order of Comdg Officer confined in cell for three days on bread & water for being Drunk on board ship. Riding to ebb at 10 to strength 1.2 knots. Tide slacked at 11 a.m. Crossed in hawse.

H. Townstone.

From Meridian to 4 P.M. Ensign U.S.N.
Clear bright & pleasant. Light airs & breeze from N.E. to S.W. Exhausting in hawse, port chain on top.

W.B. Hoggatt
From 4 to 8 P.M. Ensign U.S.N.
Generally clear bright & starlight latter part. Moon rose at 1 a.m. Cloud & cirrus. Light breeze from S.W. to W.N.W. freshening to light airs latter part. Rode to flood tide 6 a.m. when tide slacked. Swung to ebb at 7 a.m. at 4 a.m. strength of flood 1.9 knots. Crossed in hawse.

H. Townstone

From 8 P.M. to Midnight Ensign U.S.N.
Clear bright & pleasant. Light airs from N.W. & East. Swinging to flood at end of watch to clear hawse.

W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

C.D. Galloway
Asst Paymr & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Flood			South	East	2			30.10	68				be	cir cumu	8	4
2		"		S. by W.	"	2			30.10	68				"	"	8	"
3		"			"	1			30.10	68				"	"	8	"
4		"				1			30.10	68				"	cir	9	"
5		"		South	E by E	1-2			30.10	68				"	cir cumu	2	"
6		"			"	1-2			30.11	66				"	"	4	"
7		"		S E by E	"	1-2			30.12	66				"	"	4	"
8	Ebb			N E by N	"	1-2			30.12	65				"	"	2	"
9		"		N N E	"	1			30.14	66				"	"	2	"
10		"		N E	Calm	0			30.14	66				"	"	2	"
11		"		N N E		0			30.16	69				"	"	4	"
Noon.		"		North	West	1			30.14	69				"	"	5	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 4 " 0 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2130 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 78 " 986 "

P. M.										
1	Flood	S by W.	West	1	30.19			5	4
2	"	S SW.	"	1	30.17			5	"
3	"	S"	"	1	30.16			5	"
4	"	S by W.	"	1	30.16			5	"
5	"	"	"	1	30.16			5	"
6	"	S"	"	1	30.15			4	"
7	"	S SW	"	1	30.12			0	"
8	Ebb	N N E	North	1	30.11			1	"
9	"	N by E	"	1	30.15			2	"
10	"	N" E	"	1	30.15			1	"
11	"	N N E	N E	2	30.15			2	"
Mid.	"	"	"	2	30.15			1	"

under the command of Commander T. F. Jewett, U. S. Navy,

Monday September 5th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Clear & pleasant. Bright moonlight. Flood tide. Clear Decks. Light breez from East.

A.F. Keenan
Lieut U.S.N.

From 4 to 8 A.M.

Clear & pleasant. Light to gentle breez from E. & at 5.20 loosed sail to a bowline. Clear decks.

F.J. Boomer
Ensign U.S.N.

From 8 A.M. to Meridian

Partly clear hazy. Calms. Light airs from E. & East at 9.20 exercised Quarters. Fired magazine & shell gun. Secured decks & life buoys. Found all in good condition. Furled sail. Scraped & tompions of boat davits. Commd Officer made official visit to Shenandoah & to the Comdr-in-Chief. At end of watch secured for flood tide. Clear decks. Examined electric apparatus & dry gun cotton and found all in good order except one boat battery which will be charged.

W.B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.

Generally clear. Pleasant weather. Light airs from West. At 12.20 slowing to flood. At 1:00 Rear Admiral Blandler left the Brooklyn & proceeded up the river. At 1.45 hoisted Rear Admirals flag, the Brooklyn hauling down Rear Admirals flag at the same time. Engaged in scraping stony backs, boat davits & sky lights. Sent Admirals rifle teams on shore for a rifle match.

A.F. Keenan
Lieut U.S.N.

From 4 to 8 P.M.

Generally cloudy. Light airs from West & North. At 6:00 shifted hoisails. Expended in Ordnance Sept 200 lbs of Cartridges. Slowing to ebb at 7. Clear decks.

W.B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight

Cloudy. Pleasant. Light airs from North & N.E. Ebb tide. Clear decks.

A.F. Keenan
Lieut U.S.N.

Examined and found to be correct.

D.D. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Flood			S S W.	N E.	1			30.16	42	42	32	1	b. c.	circumm	1	S
2	"			"	"	1			30.16	42	42	32	1	"	"	1	"
3	"			S by W.	East	1			30.15	42	42	32	0	b. cum.	"	2	"
4	"			"	"	1			30.12	42	42	41	69	"	"	1	"
5	"			S	N E.	2			30.11	42	42	40	69	b. c.	cumulus	2	"
6	"			South	E N E.	2			30.14	42	42	40	68	"	cir	2	"
7	"			S by E.	"	2			30.15	42	42	40	68	"	"	3	"
8	Ebb			N E.	N E.	1			30.14	42	42	40	68	"	"	3	"
9	"			N N E.	"	1			30.14	42	42	42	69	"	circumm	4	"
10	"			"	East	1			30.15	42	42	42	70	"	"	4	"
11	"			"	S E.	1			30.16	42	54	44	71	"	"	4	"
Noon.	"			N E.	South	1			30.16	42	54	44	71	"	"	4	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 17320 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 78 " 686 "

P. M.													
1	Flood	South	S S W.	2	30.14	42	62	52	b. c.	cir cumm	3	S
2	"	S S W.	"	2	30.13	42	62	53	"	"	2	"
3	"	S "	S " W.	2	30.11	42	62	53	"	"	1	"
4	"	S by S.		2	30.10	42	62	48	b. c.	cumm	0	"
5	"	S S W.	West	2	30.09	42	62	53	"	cumm ind	0	"
6	"	S W by S.	"	2	30.10	42	62	53	b. c.	cir. cumm str ind	2	"
7	Slack Water	S S W.	South	1	30.10	42	62	53	b. cum.	"	3	"
8	Ebb	S by E.		1	30.09	42	62	52	o. d.	cumm	0	"
9	"	South	N E.	1	30.09	42	62	52	o. cum.	"	0	"
10	"	N N E.	"	1	30.09	42	62	52	o. cum.	cumm ind	0	"
11	"	N by E.	"	1	30.09	42	62	52	"	"	0	"
Mid.	"	N. N. E.	"	1	30.10	42	62	53	o. c.	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,
Tuesday September 6th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends H. A. M.

Cloudy and pleasant throughout. Light breezes from East shifting to N. E. last two hours. At 12. so strong as to flood. Clear hawse.

T. J. Loomis
Ensign U. S. N.

From 4 to 8 A. M.

Generally cloudy and cool. Light breezes and airs from N. E. to N. E. At 7.30 made General Signal Essex 2 cutter guarding Canandaigua 3 cruising Canandaigua 30. Strong ebb with cross in hawse, at 8 o'clock.

W. H. Hoggatt
Ensign U. S. N.

From 8 A. M. to Meridian

Weather pleasant. Generally cloudy. Light airs from S. and E. At 9.30 inspected at quarters & exercised 1st & 2d Divs, at infantry & 3d at stations. Sent firing party ashore for target practice. Expended 200 rounds of calibre 45 cartridges. Ebb tide. Cross in hawse, short chain on top.

A. T. Teschan
Lieut U. S. N.

From Meridian to 4 P. M.

Fair decreasing to cloudy weather. Light breeze decreasing to light airs from S. and W. Sailmakers Mate making new hammock-hoods. At 1:00 strong to flood. Ebbed in hawse, short chain on top. At 1.00 sent firing party on shore. At 3:40 firing party returned on board with target. Expended in Ord Dept 100-45 cal Cartridges.

T. J. Loomis
Ensign U. S. N.

From 4 to 8 P. M.

Generally cloudy. Light breeze from West first half, then calms and light airs from South. At 6:15 called all hands & sent down topgallant masts. Then sent up masts and crossed light yards; sent down light yards, crossed light yards & sent down royal yards. Slack water at end of watch. Ebbed in hawse short chain on top.

A. T. Teschan
Lieut U. S. N.

From 8 P. M. to Midnight

Overcast cloudy & misty. Light passing showers last hour. Light airs from N. E. Ebbed & cross in hawse, short chain on top. Expended 1-10 lb charge, bag & primer.

T. J. Loomis
Ensign U. S. N.

Examined and found to be correct.

Ed. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.																	
1	Flood			N.W.	North	1			30.10	42	52	47	52	o.c.	cumulus	0	S
2	"			S.S.W.	East	1			30.09	42	50	47	52	"	"	0	"
3	"			"	"	1			30.09	42	49	47	52	o.cp.	"	0	"
4	"			"	Calm	0			30.08	42	49	47	52	"	"	0	"
5	"			"	E.	1			30.08	42	50	47	52	b.cu.	"	1	"
6	"			S.	East	1			30.10	42	50	47	52	"	cumulus	2	"
7	"			South	"	1			30.10	42	49	34	51	"	"	1	"
8	Ebb			E.S.E.	Calm	0			30.10	42	49	34	51	o.c.	cumulus	0	"
9	"			N. by E.	N.W.	2			30.12	42	50	47	52	o.cp.	"	0	"
10	"			N.N.E.	"	2			30.12	42	50	49	50	o.cr.	"	0	"
11	"			N. by E.	"	1			30.11	39	51	49	50	"	"	0	"
Noon.	"			N.N.E.	North	2			30.10	42	52	49	50	"	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, Hon gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1330 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 78 " 186 "

P. M.												
1	Ebb	N.E. by N.	N.N.E.	1	30.10	42	49	47	52	o.cr.	cumulus	0	S
2	"	South	E.S.E.	1	30.08	42	49	47	52	"	"	0	"
3	Flood	S.S.W.	"	1	30.06	42	49	47	52	o.c.	cumulus	0	"
4	"	"	Calm	0	30.05	42	49	47	52	"	"	0	"
5	"	"	"	0	30.05	42	49	47	52	"	"	0	"
6	"	S.W.	"	0	30.03	42	49	47	52	o.cr.	"	0	"
7	"	S.W. by W.	"	0	30.03	42	49	47	52	"	"	0	"
8	"	S. by E.	"	0	30.03	42	49	47	52	"	"	0	"
9	Ebb	N.E. by N.	E.N.E.	1	30.03	42	49	47	52	"	"	0	"
10	"	N.N.E.	N.E.	1	30.02	42	49	47	52	b.s.	cir	2	"
11	"	"	"	1	30.02	42	49	47	51	"	cirrus	3	"
Mid.	"	"	"	1	30.03	42	49	47	51	"	"	3	"

under the command of Commander T. F. Jewett, U. S. Navy,
Wednesday September 1st, 1886.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 P.M.

Overcast and cloudy. Light passing showers last part of watch. Light airs from North to East. Calm last hour. Towing to flood, at 1:00. Moored ship in harbor, port chain on top.

F. A. Lewis
Asst. Surg. U. S. N.

From 4 to 8 A.M.

Overcast and cloudy. Calm and light airs from S.E. and East. Light drizzling rain, at intervals. Two moorings in harbor. Flood tide.

L. A. Scruggs
Lieut. U. S. N.

From 8 A.M. to Meridian

Overcast and cloudy with light rain. Cumulo-nimbus clouds. Light breeze from N.W. and North. Rising to 1st reef. Moored ship in harbor. Carpenters Gang at work on boat pair. By order of Duty Officer pleased R. Doyle & Co.

T. F. Jewett
Commander U. S. N.

From Meridian to 4 P.M.

Overcast and cloudy with rain first part of watch. Light airs from N.N.E. to E.S.E. with calms last hour. Carpenters Gang at work on poop skylights and awning stanchions. Moored in harbor, starboard chain on top.

F. A. Lewis
Asst. Surg. U. S. N.

From 4 to 8 P.M.

Overcast cloudy and raining. Calm. Flood tide. At 5:15 U. S. S. "Brooklyn" made general signal 44 48.

T. F. Jewett
Commander U. S. N.

From 8 P.M. to Midnight

Cloudy with light rain first half. Light airs from N. and E. Towing to slot at 8:30 clear harbor. Expended one 10 lb charge, bag and primer for 12 Pdr.

F. A. Lewis
Asst. Surg. U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N. N. E.	N. E.	1			30.05	72	72	71		b.cu.	cir.cum	3	S
2				S. E.	"	1			30.05	71	71	71		"	"	2	"
3	Flood			S. S. W.	"	1			30.05	71	71	70		b.cu.	cu.nim	0	"
4	"			"	"	1			30.05	71	71	70		"	"	0	"
5	"			"	"	1			30.05	71	71	70		"	"	0	"
6	"			S. by W.	East	2			30.05	70	70	69		b.c.	cir.cum	5	"
7	"			"	"	1			30.04	70	69	69		"	"	6	"
8	"			S. by E.	N. E.	1			30.06	72	71	70		"	"	4	"
9	Slack Water			N. N. E.	N. E. by N.	1			30.08	73	71	70		"	str	5	"
10	Ebb			N. by E.	"	1			30.08	73	73	72		"	"	8	"
11	"			"	"	1			30.04	75	73	72		"	cir.cum	8	"
Noon.	"			"	"	1			30.06	75	74	73		"	"	8	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 931 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 77 " 1666 "

P. M.										
1	Ebb	N. by W.	N. W.	1	30.04	72	72	71	b.c. cir.cum	6 S
2	Flood	S. S. W.	North	1	30.04	72	72	71	" "	6 "
3	"	S. by W.	"	1	30.02	72	72	71	" cu.nim	5 "
4	"	S. S. W.	N. N. W.	1	30.01	72	72	71	" "	4 "
5	"	S. W. by S.	N. W.	1	30.00	72	72	71	" "	3 "
6	"	S. S. W.	"	1	29.98	72	72	72	" cir.cum	4 "
7	"	"	"	1	29.96	72	72	72	" "	2 "
8	"	"	"	1	29.95	72	72	71	b.c. cu.nim	0 "
9	Slack Water	N. W. by N.	"	1	29.95	72	72	72	b.cu. "	5 "
10	Ebb	North	"	1	29.96	72	72	72	" cir	3 "
11	"	N. N. E.	Calm	0	29.96	72	72	72	" "	2 "
Mid.	"	"	"	0	29.96	72	72	72	b.c. cir.cum	6 "

under the command of Commander J. F. Jewell, U. S. Navy,

Thursday September 8th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Noon to 4 A.M.

Generally overcast cloudy. Light airs from N. E. at 2 to 3 knots drawing the flood with cross in hawse, starboard chain on top.

From 4 to 8 A.M. Ensign U.S.N.

Cloudy increasing to clear weather. Light airs from N. E. first hour, light breez decreasing to light airs from East remainder of watch. Flood tide. Cross in hawse starboard chain on top. At 7.30 made special signal at minimal 33, Group 38.

From 8 A.M. to Meridian Ensign U.S.N.

Clear and warm. Light airs from N. E. by N. At 9.30 went to quarters for Drill and exercise. 1st Div. Single Sticks, 2d Div. Rifles; Third Div. Pistols, Fourth Div. Rifles. Steering to sea at 8.20 clear hawse.

From Meridian to 4 P.M. Asst Surgeon U.S.N.

Partly clear warm. Light airs from South to N. W. At 2. Ship steering to flood with cross in hawse, starboard chain on top. Finished rifle drill to taffrail. Started fires in boilers 1 & 3 for distilling. Expended 200-38 Cal Cartridges.

From 4 to 8 P.M. Ensign U.S.N.

Generally cloudy. Light air from N. W. at 6. of called "all hands make sail" & exercised crew at furling reefing shortening & furling sail. Flood tide. Cross in hawse, starboard chain on top. Began distilling at 6.10.

From 8 P.M. to Midnight Asst Surgeon U.S.N.

Generally cloudy. Calm & light airs from N. W. Steering to sea at 9. cloud in hawse. Distilling. Expended 1-10 of charge, Bag & Primer.

Ensign U.S.N.

Examined and found to be correct.

T. D. Gatewood Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.																	
1	Calm			N by E	North	1			29.93	45	45	45		b.c.	cu-cumn	3	S
2					"	1			29.93	45	44	44		"	"	3	"
3	Flood			South	"	1			29.91	46	45	44		"	"	3	"
4				S S W.	"	1			29.90	47	46	45		"	"	2	"
5				"	"	1			29.90	48	47	43		"	"	3	"
6				"	"	1			29.89	49	48	48		"	"	8	"
7				S by W.	N W	1			29.89	49	48	48		o.c.	cumnul	0	"
8				South	S E.	1			29.89	49	48	48		"	"	0	"
9	Slack Water			E by S	"	1			29.90	48	48	48		"	"	0	"
10	Calm			N N E.	"	1			29.91	47	48	48		o.cu.	"	0	"
11				"	Calm	0			29.91	47	48	48		o.cu.nu.	"	0	"
Noon.				N E.	"	0			29.90	51	48	48		o.cu.	"	0	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, Non gallons.

Water Distilled during the preceding 24 hours, 142 0 "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, 1 tons 1580 lbs.

Coal remaining on hand at Noon, 76 " 86 "

P. M.												
1	Calm	North	Calm	0	29.90	45	44	44	b.cu.	cu-cumn-nimbus	1	S
2	"	N N W.	"	0	29.89	46	45	44	b.c.	cu-cumn	3	"
3	Slack Water	S W by S	West	1	29.88	44	45	44	"	"	4	"
4	Flood	S S W.	"	1	29.87	44	45	45	"	"	6	"
5	"	"	"	1	29.87	49	44	45	"	"	5	"
6	"	"	Calm	0	29.87	48	46	45	"	"	4	"
7	"	"	"	0	29.87	44	48	45	"	"	4	"
8	"	"	N W by W.	1	29.87	44	44	46	"	"	5	"
9	"	South	Calm	0	29.87	44	44	45	"	"	7	"
10	Calm	N N E.	"	0	29.87	46	45	45	"	"	5	"
11	"	N E.	"	0	29.87	46	45	44	"	"	2	"
Mid.	"	N N E.	North	1	29.87	45	44	43	o.c.	cumn	0	"

under the command of Commander T. F. Jewell, U. S. Navy,
Friday September 9th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Cloudy and fine. Light airs from North. At 2.20 steering to flood. Crossing hawse, starboard chain on bottom. Watering.

A. F. Jewell
Lieut U. S. N.

From 4 to 8 A.M.

Cloudy with rain last part of watch. Light airs from North shifting to N.W. then to S.E. Cleaned bilges. Received Sick Pay Dept 12 8 lbs fresh bread and vegetables and 10 lbs fresh bread. Made soup and time signal 4, answered 3, Geographical 3. Flood tide. Crossing hawse, starboard chain on bottom. Watering.

W. C. Lucas
Asst Surgeon U. S. N.

From 8 A.M. to Meridian.

Overcast. Drizzling rain and passing showers first two hours. Misty. Calm and light airs from S.E. at 9. steering to eastward with clear hawse. Watering. Brooklyn signalled for permission to shoot fires for watering at noon. Answered in the affirmative.

W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P.M.

Cloudy at first. Clear and variable at end of watch. Calm and light airs from West. At 2.30 steering by flood. The Russian man-of-war "Bobr" came in and anchored. Sent an officer to pay the usual visit. At 3. hauled taut to a bowline. Watering. Distilling.

A. F. Jewell
Lieut U. S. N.

From 4 to 8 P.M.

Partly clear, Calm and light airs from West N.W. & W. At 6. furled sail. Exercised at fire quarters. Watering. Distilling.

W. B. Hoggatt
Ensign U. S. N.

From 8 P.M. to Midnight

Clear at first cloudy at end of watch. Calm. At 10. steering to eastward. Crossed hawse. Watering. Distilling. Expended 1-10 oz charge, bag and primer.

A. F. Jewell
Lieut U. S. N.

Examined and found to be correct.

Edward Lamonday
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Cherrepo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.	Ebb			N. N. E.	North	1			29.83	76	76	76		b.c.	cir cumu	3	S
1																	
2	Slack Wate			S. S. E.	"	1			29.82	76	76	76		"	"	1	"
3					"	1			29.82	74	73	73		"	"	1	"
4	Flood			S. S. W.	E. N. E.	1			29.82	74	73	73		b.cum.	"	1	"
5						2			29.81	78	73	73		b.c.	cumul	1	"
6						1			29.83	74	73	73		"	"	1	"
7					N. N. E.	1			29.85	73	73	73		"	"	1	"
8						1			29.84	73	72	72		b.cum.	"	1	"
9	Ebb			N. W. by N.	North	2			29.84	73	73	72		"	"	1	"
10				N. N. E.	"	1			29.84	74	74	73	73	o.cum.	cumul	0	"
11				North		1			29.86	76	74	74	73	"	"	0	"
Noon.				N. N. E.	Calm	0			29.87	76	74	74	73	"	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 1250 "

Water remaining on hand fit for use at Noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons 950 lbs.

Coal remaining on hand at Noon, 74 " 1376 "

P. M.														
1	Ebb	North	Calm	0	29.85	75	74	73	b.cum.	cumu nimb	1	S		
2	"	N. W.	S. W.	1	29.86	75	75	73	"	"	2	"		
3	Flood	S. W.	"	1	29.86	74	74	64	"	"	1	"		
4	"	S. W. by S.	"	1	29.85	74	74	64	"	cumulo	2	"		
5	"			2	29.86	74	74	64	b.c.	"	2	"		
6	"	S. W.	West	2	29.88	76	75	73	b.cum.	cir cumu strat	2	"		
7	"	S. W. by S.	"	2	29.86	75	74	73	"	"	2	"		
8	"	"	"	2	29.86	75	74	74	"	cumu nimb	1	"		
9	"	"	"	1	29.86	75	75	74	"	"	2	"		
10	"	"	"	1	29.84	75	75	74	"	cir cumu	2	"		
11	Ebb	N. by E.	S. W.	1	29.88	75	75	74	"	"	8	"		
Mid.	"	"	E. N. E.	1	29.88	76	74	74	"	"	8	"		

under the command of Commander J. F. Green, U. S. Navy,
Yokohama Japan September 10th, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Latter 4 A.M.
Cloudy and pleasant weather. Light airs from North. Riding to ebb tide. Until 8 o'clock Yokohama bearing NE to flood tide. Clear Leave. Distilling.
F. J. Sooms
Ensign U.S.N.

From 4 to 8 A.M.
Overcast and cloudy. Hazy. Light airs from E.N.E. to North. At 5 pro made signal special code. Convoy of Commercial Pennant, 3 3 Geographical Pennant 38. Distilling. Clear Leave.
W. B. Hoggatt
Ensign U.S.N.

From 8 A.M. to Meridian
Cloudy and warm. Light airs from North. Ebb tide. Clear Leave. Lieut-Comdr Bickmell returned from leave. Received visit from Comd'g Officer (pro tem) of Russian man-of-war. Transferred to "Brooklyn" 24 white Bags. Distilling.
A. F. Teeling
Lieut U.S.N.

4 From Meridian to 4 P.M.
Cloudy. Hazy around horizon. Calm first hour, light airs from S.W. remainder of watch. At 3 o'c steering to flood tide. Clear Leave. At 1.15 Comd'g Officer left the ship to pay an official visit to H.I.R.M.S. "Bobr". At 3.30 stopped distilling & hauled fires.
F. J. Sooms
Ensign U.S.N.

From 4 to 8 P.M.
Weather pleasant. Generally cloudy. Ebb tide. Clear Leave. At 6.15 mustered at quarters.
A. F. Teeling
Lieut U.S.N.

From 8 P.M. to Midnight
Fair increasing to clear weather. Light airs from West shifting to S.W. & N.E. At 9.30 steering to ebb tide. Clear Leave. Expended 1-10 oz Large, bag & Primer.
F. J. Sooms
Ensign U.S.N.

Examined and found to be correct.

E. D. Galloway Lieut 2nd Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the Harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N. N. E.	East	1			29.89	24	24	24	24	b.cu.	ci. cum.	6	S
2	"			/	"	1			29.90	24	24	24	24	"	"	6	"
3	Slack Water			N. by W.	"	1			29.89	24	24	24	24	b.c.	cum. nim.	0	"
4	Flood			E. by E.	"	2			29.88	24	24	24	24	b.c.	"	4	"
5	"			S. by W.	"	2			29.88	24	24	24	24	b.cl.	"	1	"
6	"			"	"	2			29.90	24	24	24	24	b.c.	"	0	"
7	"			"	"	1			29.92	24	24	24	24	b.cu.	"	1	"
8	"			"	"	1			29.94	24	24	24	69	"	"	1	"
9	"			S. by E.	"	2			29.93	24	24	24	24	"	"	1	"
10	Ebb			East	N. N. E.	2			29.94	24	24	24	24	b.c.	cir. cum. str.	3	"
11	"			N. by E.	North	2			29.96	24	24	24	24	"	"	5	"
Noon.	"			"	"	2			29.94	24	24	24	24	"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at Noon, 2650 "

Coal consumed during the preceding 24 hours, tons 6 lbs. 670

Coal remaining on hand at Noon, 74 " 706 "

P. M.												
1	Ebb	N. by E.	North	1	29.91	24	24	24	23	b.c.	cir. cum.	4	S
2	"	N. W.	"	1	29.90	24	24	24	23	"	"	4	"
3	"	N. W.	"	1	29.90	24	24	24	24	"	"	4	"
4	Flood	N. N. W.	"	1	29.90	24	24	24	24	"	"	4	"
5	"	S. W. by S.	"	1	29.84	24	24	24	25	"	cum. str.	4	"
6	"	S. S. W.	"	2	29.88	24	24	24	26	"	"	2	"
7	"	S. W. by S.	"	2	29.89	24	24	24	26	"	"	1	"
8	"	S. S. W.	"	2	29.88	24	24	24	26	"	"	3	"
9	"	"	"	1	29.88	24	24	24	25	"	"	4	"
10	"	"	"	1	29.88	24	24	24	25	"	"	5	"
11	Ebb	S. by E.	"	1	29.88	24	24	24	24	"	"	5	"
Mid.	"	N. W. E.	"	1	29.89	24	24	24	23	"	"	5	"

under the command of Commander P. F. Harrell, U. S. Navy,

Sunday September 17th, 1865.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unfits A. M.

Fair to cloudy weather. Light air increasing to light breeze last hour from East. Slack water at 9. Moored in Harbor, Starboard chain on top.

F. A. Lewis
Naval Cadt U. S. N.

From 4 to 8 A. M.

Overcast cloudy and misty around horizon. Light breeze from East. Flood tide. Moored in harbor. Made preparations for leaving ship.

A. F. Dechman
Lieut U. S. N.

From 8 A. M. to Meridian

Fair weather. Light breeze from N. by E. and E. at 9. a. m. turned and inspected at quarters. Held Divine service. Dressed ship in honor of the Emperor of Russia. Clear harbor.

H. J. Loomis
Ensign U. S. N.

From Meridian to 4 P. M.

Fair and pleasant. Light airs from North. Barometer steady. Sent officer to make official call on the Russian man-of-war. At 4. moving to flood. Clear harbor.

F. A. Lewis
Naval Cadt U. S. N.

From 4 to 8 P. M.

Fair decreasing to cloudy weather. Light airs to light breeze from North. At 5.30 the Commander-in-Chief returned by U. S. S. "Brooklyn". Hauled down Rear Admirals flag and hoisted Commanding Officers Pennant. Clear harbor. The U. S. Minister to Japan came on board.

H. J. Loomis
Ensign U. S. N.

From 8 P. M. to Midnight,

Fair and pleasant. Light N'ly airs. Moving to ebb at 11.15. Moored in harbor port chain on top.

F. A. Lewis
Naval Cadt U. S. N.

Examined and found to be correct.

A. D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Memphis.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	6	2		N N E.	North	1			29.89	75	72	73		b. c.	cir cum nimbi	0	S
2	"	"		"	"	1			29.89	75	74	73		b. c. z	"	1	"
3	"	"		"	N E.	1			29.89	75	74	72		"	"	0	"
4	5	"		N E by N	"	1			29.88	75	74	72		"	"	2	"
5	Fluid	"		S E by E.	E N E.	2			29.82	73	73	72		b. c. z	"	2	"
6	"	"		S S E.	"	2			29.82	73	72	71		"	"	1	"
7	"	"		S by E.	"	2			29.87	73	72	71		"	"	1	"
8	"	"		South	East	2			29.86	73	72	71		"	"	1	"
9	"	"		"	"	2			29.88	75	74	73		b. c. z.	cir cum nimbi	2	"
10	"	"		S by E.	"	2			29.88	77	76	73		"	cir cumuli	2	"
11	"	"		S E by S	"	2			29.88	78	77	74		"	Str.	4	"
Noon.	Slackd Water			N E.	"	2			29.88	79	78	75		"	"	4	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2250 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 74 " 306 "

P. M.												
1	6	2	N N E.	East	1	29.85	74	73	75	b. c.	cir cum alt	1	S
2	"	"	N E by N.	S by E.	2	29.84	78	78	75	b. c.	cumulus	0	"
3	"	"	E N E.	"	4	29.84	74	74	70	b. c. z.	"	0	"
4	"	"	N E by N.	"	3	29.83	74	74	65	b. c.	"	0	"
5	Fluid	"	N E by E.	S E.	2	29.82	74	65	64	"	"	0	"
6	"	"	S E by S.	"	2	29.80	74	65	64	"	"	0	"
7	"	"	South	"	2	29.78	74	65	64	b. c. m.	"	1	"
8	"	"	"	East	4	29.76	74	65	64	b. c. m.	"	0	"
9	"	"	"	"	4	29.76	73	63	64	"	"	0	"
10	"	"	"	"	4	29.73	73	63	65	"	"	0	"
11	"	"	S.	"	3	29.73	80	65	64	b. c. m.	"	1	"
Mid.	"	"	S. by E.	"	3	29.71	80	64	64	b. c. m.	"	0	"

under the command of Commander F. F. Low, U. S. Navy,
Monday September 12th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends H.A.M.
Generally cloudy. Hazy. Light airs from N.E. & North.
Riding to ebb. Crossing Lawyer Point chain on top.
W.B. Hoggatt
Ensign U.S.N.

From H. to 8 A.M.
Partly clear & Pleasant. Light breeze from E. to E.S.E. at 7.30
Flagship made Dress & time signal
F.J. Fleming
Ensign U.S.N.

From 8 A.M. to Meridian
Generally cloudy. Hazy. Light E.S.E. breeze. At 9.35 recd. to quarters for inspection & muster. Admiral Chandler came on board to make official visit. Inspected dry gun cotton & electrical apparatus & found everything in good condition. Carpenters gang working on boat skylights and second cutter. Sailmaker at work on hammock hood. Ship swung to ebb at noon. Crossing Lawyer Point chain on top.
H.A. Lavis
Naval Cadet U.S.N.

From Meridian to 4 P.M.
Overcast clouds with light passing showers & rain last two hours. Light airs to moderate breeze in squalls from East & S.E. Rowed off reef main to get halliards & mast cobles. Received an official visit from U.S.F.V. Consul. Riding to wind & tide at end of watch to clear Lawyer.
W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 P.M.
Overcast & cloudy. Light breeze from S.E. increasing to moderate breeze from East last hour. Barometer falling. Received on Pay Dept 1000 lbs Tobacco, 525 Soap, 210 Yds Flannel, 62 Yds Cloth, 100 Yds Crabs, 20 Blankets, 5 Mattresses, 510 lbs Canvas, 588 lbs Flour, 1000 lbs Pork, 1/2 Gun Beans, 600 lbs Beef, 240 lbs Rice, 50 lbs Dried Fruit, 192 lbs Butter, 288 lbs Tomatoes, 50 lbs Canned Meats, 900 lbs Ham, 32 lbs Bacon, 40 lbs Jam, 513 lbs Pickles, 336 lbs Canned Vegetables. Paymaster H.R. Smith, U.S.N., 1st Lieut Wainwright, U.S.M.C. & Ensign Poundstone U.S.N. returned from leave. Clear Lawyer.
H.A. Lavis
Naval Cadet U.S.N.

From 8 P.M. to Midnight
Overcast & cloudy with occasional light misty rain. Light to moderate breeze from East. Clear Lawyer.
W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

E.D. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Calm			N.E. by N.	E. by N.	2-4			29.66					o. cf.	cumulus	0	
2	"			"	"	2-4			29.63					" p.	"	0	"
3	"			"	"	2-4			29.60					"	"	0	"
4	"			"	"	3			29.58					o. cr.	"	0	"
5	"			N. E.	"	3			29.54					o. c.	"	0	"
6	"			E. by N.	"	2			29.56					"	"	0	"
Slack Water				S.E. by E.	East	2			29.53					"	"	0	"
8	Flood				E.S.E.	2			29.51					"	"	0	"
9		"		S. by E.	East	3			29.47					o. c. p.	"	0	"
10		"		South	E. by N.	2			29.47					"	"	0	"
11		"		S. S.W.	East	2			29.46					"	"	0	"
Noon.		"		South	E.S.E.	4			29.46					"	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1850 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 73 " 2146 "

P. M.												
1	Calm		S. by W.	West	4							
2	"		W. by N.	"	5							
3	"		N.W. by W.	"	5							
4	"		N.W. by N.	"	5							
5	N.		W.N.W.	"	5							
6	Flood		West	"	4							
7	"		W. by N.	"	3							
8	"		W. S.W.	"	4							
9	"		S.W.	"	4							
10	"		"	"	5							
11	"		"	"	5							
Mid.	"		S.W. by W.	W. S.W.	5							

under the command of Commander T. F. Jewett, U. S. Navy,

Tuesday September 13th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A. M.

Overcast and cloudy. Raining last three hours. Gentle to moderate breezes from East. Ebb tide. Moored in harbor.

A. F. Dennis
Lieut U. S. N.

From 4 to 8 A. M.

Overcast and cloudy with drizzling rain. Gentle breeze first hour from East decreasing to light breeze and shifting to E. by E. last hour. Barometer falling. Moored in harbor. Port chain on top.

Wm A. Lewis
Acting Asst Surg U. S. N.

From 8 A. M. to Meridian

Overcast, cloudy, drizzling rain with occasional heavy showers. Light to moderate breezes in squally from E. by N. to E. by E. By order of the Executive Officer Placed Wm. Howe Q. M. 1st C. under arrest on charge of drunkenness he being found drunk about the decks. Riding to flood. Moored.

W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P. M.

Cloudy and squally. Occasional rain during first half. Clearing towards end of watch. Moderate to stiff breeze from West. Ebb tide. Moored. At 1. 20 Brooklyn made signal 6 to 3. Sent down top gallant yards.

A. F. Dennis
Lieut U. S. N.

From 4 to 8 P. M.

Partly clear first part, overcast and raining last part. Clearing towards end of watch. Stiff breeze gradually moderating to gentle breeze from West. At 6. Quartered crew at quarters. By order of the Executive Officer relieved W. Howe Q. M. 1st C. from duty in charge and confined him in the cell for three days on bread and water. Riding to flood tide. Moored at end of watch.

W. B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight

Generally cloudy. Wind first from West and W. S. W. with occasional short squalls, accompanied by rain. Flood tide. Moored.

A. F. Dennis
Lieut U. S. N.

Examined and found to be correct.

E. S. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Slack Water			S.W. by W.	W. S.W.	5			29.45	70	70	68		b.c.q.p.	cum. Nimbus	6	
2	Ebb			West	"	4			29.45	70	69	68		b.c.q.m.	"	5	
3	"			N.W. by W.	"	4			29.44	68	69	68		b.c.q.p.	"	8	
4	"			N.N.W.	W. N.W.	4			29.44	68	69	68		"	"	8	
5	"			"	N.W.	4			29.45	68	68	67		"	"	2	
6	"			"	"	4			29.50	68	68	67		b.c.q.	"	8	
7	"			N.W. by N.	"	4			29.53	68	68	67		b.c.	"	4	
8	Flood			W.N.W.	W.N.W.	4			29.54	68	67	65		"	"	4	
9	"			W. by N.	N.W. by W.	4			29.55	68	67	65		"	"	4	
10	"			W. by S.	"	5			29.56	68	68	67		"	"	8	
11	"			"	"	5			29.58	70	69	67		"	"	4	
Noon.	"			W. S.W.	"	5			29.59	71	70	68		"	cir	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1450 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 73 " 1746 "

P. M.											
1	Flood	S.W. by W.	W.N.W.	5	29.59	70	69	64	b.c.q.p.	cum. Nimbus	2
2	"	West	"	5	29.60	69	68	65	"	"	1
3	Ebb	N.W.	N.W.	5	29.60	69	68	65	"	"	1
4	"	"	"	5	29.61	69	68	66	"	"	1
5	"	N. by W.	"	4	29.65	70	69	64	b.c.	cir. cum.	4
6	"	"	N.W. by N.	3	29.68	70	68	66	"	cir	6
7	"	N. by W.	"	3	29.68	70	68	66	"	"	2
8	Slack Water	N.W.	"	3	29.71	70	68	65	"	cir. cum.	8
9	Flood	West	N.W.	3	29.75	69	68	64	b.	cum.	10
10	"	S.W.	"	4	29.75	69	68	64	"	"	10
11	"	S.W. by S.	"	4	29.75	68	67	64	b.c.q.	cir	9
Mid.	"	S.W. by S.	"	4	29.76	68	67	64	"	"	9

under the command of Commander F. F. Jones, U. S. Navy,

Wednesday September 1st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced U.S. Cutter H. A. M.

Partly cloudy with passing rain squalls. Stiff decreasing to moderate breeze from W. by S. and W.N.W. Squally. Coming to ebb tide at 2:40. Clear hawse.

E. F. Loomis
Ensign U.S.N.

From 4 to 8 A.M.

Partly clear with rain and squalls first part. Moderate breeze from N.W. by W. and W.N.W. P.A. Engr. J. K. Barton left the ship on six days leave of absence at 7:30. Flagship made signal (special code) Commodore, 4. Riding to round flood, at end of watch. Clear hawse.

N. B. Hoge
Ensign U.S.N.

From 8 A.M. to Meridian

Cloudy, cloudy. Stiff breeze from N.W. by W. with occasional light rain squalls. Flood tide. Clear hawse. At 9:30 inspected at Quarters. Exercised 1st, 2d & 3d Divisions at Great Guns, Navigators at Stations and Powder, at Machine Guns.

A. F. Fechteler
Lieut U.S.N.

From Meridian to 4 P.M.

Cloudy with light passing rain squalls. Stiff breeze from W.N.W. and N.W. Riding between round tide until 9:30 when going to ebb. Clear hawse.

E. F. Loomis
Ensign U.S.N.

From 4 to 8. P.M.

Cloudy with stiff breeze from N.W. first half of watch, then clear and cool with gentle breeze from N.W. by N. Ebb tide. Clear hawse. At 6. remained at quarters.

A. F. Fechteler
Lieut U.S.N.

From 8. P.M. to Midnight

Clear pleasant and cool weather. Gentle to moderate breeze from N.W. Squally. Flood tide. Clear hawse.

E. F. Loomis
Ensign U.S.N.

Examined and found to be correct.

C. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Flood			S.W. by S.	N.W.	4			29.76	64	64	64		b.c.	cir cumm	8	S
2	"			S.S.W.		3-4			29.74	64	64	64		"	"	2	"
3	"			West	N. by W.	3-4			29.74	64	66	63		"	"	8	"
4	Ebb			North	"	3			29.78	66	66	63		"	"	8	"
5	"			"	"	2			29.81	66	66	63		"	"	8	"
6	"			N. by E.	N. by W.	2			29.84	66	65	63		"	Str	5	"
7	"			North	"	2			29.84	66	65	62		"	cir cumm	3	"
8	"			N.N.E.	"	2			29.90	64	66	63		"	"	4	"
9	Slack Water			N.W.	"	2			29.92	68	66	64		"	"	1	"
10	Flood			S.W.	"	2			29.93	68	64	65		"	"	4	"
11	"			S.W. by S.	North	2			29.95	69	68	64		"	"	4	"
Noon.	"			"	"	2			29.94	69	68	65		"	"	4	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1050 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 73 " 446 "

P. M.												
1	Flood	S.S.W.	N.N.E.	2	29.92	68	68	65	b.c.	cir cumm	3	S
2	"	"		1	29.90	70	69	65	"	"	2	"
3	"	"	N.W.	1	29.90	71	70	64	"	"	3	"
4	"	S.by.S	West	1	29.90	73	71	64	"	"	4	"
5	Ebb	N.N.E.	S.W.	1	29.90	74	72	68	"	circ str	8	"
6	"	"	"	1	29.91	74	72	68	"	"	9	"
7	"	N. by E.	"	1	29.91	71	71	68	"	"	9	"
8	"	"	E.S.E.	1	29.93	71	72	68	"	"	9	"
9	Flood	South	E.S.E.	1	29.93	70	70	68	"	cumm	10	"
10	"	"	"	1	29.92	70	69	68	"	"	10	"
11	"	S. by W.	"	1	29.92	70	69	68	"	"	10	"
Mid.	"	"	"	1	29.92	70	69	64	"	"	10	"

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday September 15th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unties A. M.

Clear and cool. Fresh to moderate breeze from N. and W. Tide turned up at 9:20. Clear hawse.

From 4 to 8 A. M. A. A. Lewis Naval Cadet U. S. N.

Clear and pleasant. Fresh breeze from N. N. W. and N. by W. Clear hawse. At 6:30 U. S. S. Brooklyn went to sea. Loosed sail to a bowline.

From 8 A. M. to Meridian A. T. Beatty Lieut U. S. N.

Fair and cool weather. Light breeze from N. by W. and North. At 10:30 shortened sail and started fires for condensing in boilers Nos. 1 and 3. At 10: moving to floor tide. Clear hawse. Engaged in overhauling light yards. At 9:30 mustered at quarters. Secured 1st Div. at Gunnery, 2nd Powder, at Infantry and 3d at Single Sticks.

From Meridian to 4 P. M. F. Boomer Ensign U. S. N.

Fair and pleasant. Light breeze to air from N. N. E. first part then light air from N. W. and West. Japanese mail steamer Higo went out of harbor at 3. Furled sail. Clear hawse. Distilling.

From 4 to 8 P. M. A. A. Lewis Naval Cadet U. S. N.

Clear cool and pleasant. Light airs from West and S. W. Ebb tide. Clear Hawse. Finished fitting gear of light yards. Mustered at quarters. Distilling.

From 8 P. M. to Midnight F. Boomer Ensign U. S. N.

Clear and cool. Light air from S. S. E. Bright starlight. Barometer steady. Rode in hawse, starboard chain on top. Distilling.

A. A. Lewis Naval Cadet U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Mooring in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.	Flood			S. S. W.	Calm	0			29.94	41	69			b.	mom	10	S
1				S. by W.		0			29.94	40	69			"	"	10	"
2		"			East												
3		"		South		1			29.94	40	68			"	"	10	"
4		"			"	1			29.94	69	68	65		"	"	10	"
5	Ebb			N. N. E.	"	2			29.96	69	66	64		b. cum. cir. str.		8	"
6		"		N. by E.	"	1			29.98	69	65	65		"	"	9	"
7		"		N. N. E.	"	1			30.00	66	65	65		"	"	9	"
8		"		N. by E.	"	1			30.02	69	66	66		"	"	9	"
9		"		E. by E.	"	1			30.05	69	69	69		"	cir. cum.	8	"
10		"		South	Calm	0			30.08	69	69	68		b. c.	"	9	"
12	Slack Water			S. W. by S.	S. W.	1			30.09	40	70	68		"	"	8	"
Noon.	Flood			S. S. W.	"	1			30.08	41	70	69		"	"	8	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, Non gallons.

Water Distilled during the preceding 24 hours, 1250 "

Water remaining on hand fit for use at Noon, 2500 "

Coal consumed during the preceding 24 hours, 1 tons 860 lbs.

Coal remaining on hand at Noon, 71 " 1826 "

P. M.										
1	Flood	S. S. W.	S. W.	1	30.04	42	68	b. c.	cir. cum.	S
2	"	S. by W.	West	2	30.03	42	70	"	"	6 "
3	"	S. S. W.	"	2	30.02	43	71	"	"	6 "
4	"		"	2	30.02	43	71	"	"	6 "
5	Slack Water	W. N. W.	"	2	30.02	43	71	"	"	8 "
6	Ebb	North	W. N. W.	2	30.02	43	71	"	"	8 "
7	"		"	1	30.03	43	69	"	"	9 "
8	"	N. by E.	"	1	30.04	43	69	"	"	8 "
9	"		N. W.	1	30.04	42	68	"	cumu.	10 "
10	"	S. E.		1	30.05	42	68	"	"	10 "
11	Flood	S. by W.	East	1	30.04	40	68	"	"	10 "
Mid.	"	"	"	1	30.05	40	66	"	"	10 "

under the command of Commander T. F. Jewett, U. S. Navy,

Friday September 16th, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Mod Cutic & A.M.

Clear with bright starlight. Cool. Calm first part light airs from East, afterwards S. Riding to flood, at 12 o'c, strength 1.6 knots. Cross in Canoe. Distilling.

N. C. Comstock.

From 4 to 8 A.M. Ensign U. S. N.

Clear and pleasant weather. Light airs from East at 5. serving to ebb tide. Clear Canoe. Distilling. Decision on Pay Dept. for issue to crew 128/16 lbs each of beef & weight taken & 103 lbs read.

F. J. Boomer

From 8. A.M. to Meridian Ensign U. S. N.

Clear & pleasant. Calm & light S.W. airs. Divisions were exercised as follows viz: 1st Single Sticks. 2d Rifles. Frigates Parapet Exercise. Tested permanent coins of ship & found them in good condition. Captain left ship to make official visits. Sailmaker at work overhauling hammocks. Cross in Canoe Starboard chain on top. Distilling.

Wm A. Lewis Naval Cadet U. S. N.

From Meridian to 4 P.M.

Pleasant clear. clouds & cirrus. bright & warm. Light airs from S.W. 1st hour. Light breeze from West afterwards. Riding to flood. Strength at 2 o'c, 1.8 knots. Cross in Canoe. Distilling. A Corean Negroe left the harbor. Overhauled hammocks. Altering spare spanker.

N. C. Comstock

From 4 to 8 P.M. Ensign U. S. N.

Clear & pleasant. Light breeze to airs from West. Secured U. S. Canoe, P. A. I. from confinement having served his time. At 6. rang the fish bell. First streak by Eight Divin 50 sec. Last streak by First Div in 1m 10sec. Cleared in Canoe, Starboard chain on top. Distilling.

Wm A. Lewis Naval Cadet U. S. N.

From 8. P.M. to Midnight

Clear & cool. Bright starlight. Light airs from N.W. first part, East afterwards. Clock stopped at 12 o'c when commenced to strike. Strong to flood at 11 o'c. Cross in Canoe. At end of watch, strength of flood 1.4 knots. Distilling.

N. C. Comstock.

Ensign U. S. N.

Examined and found to be correct.

E. D. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Memphis.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Flood			S. & W.	East	1			30.03	70	68	68		b.c.	cumu	10	S.
2	"			"	"	1			30.04	70	69	68		"	"	10	"
3	"			S. by W.	"	2			30.04	70	69	68		"	cirrus	8	"
4	"			"	"	2			30.04	69	68	68		"	"	6	"
5	Slack Water			S. S. E.	"	2			30.03	64	66	66		"	"	4	"
6	Ebb			N. E. by N.	"	1			30.04	68	69	66		"	"	4	"
7	"			N. N. E.	"	1			30.05	68	69	66		"	"	3	"
8	"			N. E.	"	1			30.06	69	68	64		"	"	3	"
9	"			N. N. E.	"	1			30.08	69	68	64		"	"	3	"
10	"			N. by E.	"	1			30.10	70	69	68		"	"	4	"
11	Flood			S. S. W.	S. S. W.	1			30.10	72	71	69		"	"	3	"
Noon.	"			S. by W.	"	1			30.09	73	72	70		"	"	1	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 2[illegible] gallons.

Water Distilled during the preceding 24 hours, 2[illegible] "

Water remaining on hand fit for use at Noon, 2804 "

Coal consumed during the preceding 24 hours, tons 2020 lbs.

Coal remaining on hand at Noon, 70 " 2046 "

P. M.											
1	Flood	S. S. W.	S. S. W.	1	30.08	72	72	70	b.c.	cir. cumu. str.	2	S.
2	"	"		1	30.06	72	72	70	"	cir. cumu.	2	"
3	"	"	S. W. by W.	0	30.04	72	72	71	"	str. wind	1	"
4	"	"	S. W.	1	30.02	72	72	70	"	"	1	"
5	"	"		1	30.04	72	72	70	"	"	1	"
6	Ebb	N. by W.	N. N. W.	1	30.04	72	72	71	o.c.	cumu. wind	0	"
7	"	N. by E.	"	2	30.02	72	72	72	o.c.	"	0	"
8	"	North	"	2	30.02	72	72	71	"	"	0	"
9	"	"	N. W.	2	30.04	72	72	71	"	"	0	"
10	"		"	2	30.04	72	71	70	o.c.	"	0	"
11	Flood	N. W.		1	30.04	71	71	69	o.c.	"	0	"
Mid.	"	S. S. W.	East	1	30.04	71	71	68	"	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,

Saturday September 17th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A. M.

Clear and pleasant. Light airs and breez from East at 1. stopped exercising and hauled fires. Riding to flood with pound turns in hawse.

From 4 to 8 A. M. Ensign W. B. Haggatt U. S. N.

Fair and cool. Light E'ly air. Young to ebb at 5.30. E'bound in hawse starboard chain on top. Scrubbed gun and boat gear.

From 8 A. M. to Meridian. A. A. Lewis Asst Engr U. S. N.

Partly clear with cir. cum clouds. Light airs from East till last hour when shifted to S. S. W. Cleaned hawse. Aired bedding. Steamer "Bermuda" Hamm came in. Received U. S. Mail. Japanese Steamer "Oyoshi Maru" came in. Riding to ebb till 10 o'c when tide slacked. Young to flood at 10.30. at end of watch strength of flood 1. 4 knots. Clear hawse.

From Meridian to 4 P. M. A. C. Tomodzoye Ensign U. S. N.

Cloudy and warm. Light airs from S. W. and S. S. E. and calm. Riding to flood with clear hawse at end of watch.

From 4 to 8 P. M. Wm. B. Haggatt Ensign U. S. N.

Cloudy. Clouds cir cum, str and cumk. Rainy latter part. Light airs from S. S. E. 1st part shifting to N. N. W and coming out in light breez latter part. Riding to flood till 8.30 when tide slacked and began to swing. Young to ebb at 6 p.m. at end of watch strength of ebb 1. 6 knots. Clear hawse.

A. Tomodzoye Ensign U. S. N.

From 8 P. M. to Midnight

Overcast and cloudy with light steady rain last two hours. Light airs and breez from N. E. and East. Young to flood at 11. Clear hawse.

Wm. B. Haggatt Ensign U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.				Ship's Head													
1	Flood tide			S. S. W.	East	1			30.02	69	70	68		b.c.r.	cum Vinus	0	S
2	"			"	"	1			30.00	69	69	67		"	"	0	"
3	"			"	"	1			30.00	69	68	67		"	"	0	"
4	"			"	Calm	0			29.98	69	69	67		"	"	0	"
5	"			S. by W.	S. E.	1			29.96	68	68	67		b.c.r.	"	2	"
6	Slack Water			S. E.	"	2			29.99	68	68	67		b.c.	cir. cum.	2	"
7	Ebb			North	"	1			30.00	67	66	65		"	"	3	"
8	"			N. by E.	"	1			30.00	67	67	66		"	cir. cum.	4	"
9	"			"	North	1			30.00	68	67	66		"	"	3	"
10	"			"	"	2			30.00	69	68	66		"	"	3	"
11	"			North	"	2			30.00	71	69	68		"	"	5	"
Noon.	Flood			S. W.	"	2			29.98	71	69	68		"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 950 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2450 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 70 " 1646 "

P. M.												
1	Flood	S. S. W.	North	2	29.92	71	70	69	b.c.	cir. cum.	5	S
2	"	S. W. by S.	N. W.	2	29.91	72	71	70	"	"	4	"
3	"	S. S. W.	"	2	29.90	72	72	70	"	"	2	"
4	"	"	"	2	29.90	73	73	71	"	"	2	"
5	"	"	"	2	29.90	73	73	72	"	"	5	"
6	Slack Water	W. S. W.	W. N. W.	2	29.92	73	72	72	"	cir. cum. str.	5	"
7	Ebb	N. by W.	West	2	29.90	72	72	71	"	"	5	"
8	"	North	W. N. W.	1	29.90	72	72	71	"	cum.	5	"
9	"	"	N. W.	1	29.92	72	72	72	"	cir. cum.	5	"
10	"	"	N. N. W.	1	29.94	72	72	71	"	"	5	"
11	"	"	"	1	29.95	72	72	70	"	"	6	"
Mid.	Slack Water	West	"	2	29.96	72	71	70	"	"	8	"

under the command of Commander T. F. Jewett, U. S. Navy,

Sunday, September 18th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Latter A.M. Cloudy and raining. Light airs from East. Calm last hour. Flood tide. Clear hawse.

A. Remington

From 4 to 8 A.M. Lieut U.S.N.

Cloudy; raining 1st hour. Clouds unmd cir cumi. Light airs to light breeze from E.S.E. Riding to flood tide 5m when tide slacked. Stowing to ebb at 6m. At 4oc, strength of flood 2 knots. At end of watch strength of ebb 1.6 knots. Crossed in hawse. Ja Dawes Steamer Saratoga from and Owers from left the Harbor. Received in Pay Dept, for issue to crew, 178 lbs of fresh beef and vegetables and 103 lbs bread.

T. A. Thompson

From 8 A.M. to Meridian Ensign U.S.N.

Partly clear. Pleasant. Light airs and breeze from West. at 9.31 Comdg Officer inspected ship's crew at Quarters. Held Divine Service. Riding to flood. Elbow in hawse, Port chain on top.

From Meridian to 4 P.M. Ensign U.S.N.

Weather Pleasant. Partly cloudy. Light breeze from North to N.W. Flood tide. Elbow in hawse, Port chain on top.

A. F. Fechteler

From 4 to 8 P.M. Lieut U.S.N.

Partly clear. Light airs to gentle breeze from N.W. to West. Stowing to ebb at 6.31 which crossed in hawse, Port chain on top.

Ensign U.S.N.

From 8 P.M. to Midnight

Clear & Pleasant. Light breeze from N.W. & N.W. Ebb tide. Stowing to flood at midnight. Elbow in hawse, Port chain on top.

A. F. Fechteler

Lieut U.S.N.

Examined and found to be correct.

C. D. Galloway Lieut U.S.N.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,
Anchored in the Harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Fresh			S by W	North	2			29.96	71	71	70		b.c.	cirrus	9	d
2				S S W	"	2			29.94	70	70	70		"	"	9	"
3				"	"	2			29.93	70	70	69		"	str	9	"
4				S by W	"	2			29.93	70	70	69		"	"	9	"
5				"	N. E.	1			29.94	69	69	68		b.c.	cirrus	9	"
6				South	"	1			29.96	69	69	68		"	"	2	"
7	Smack	Water		N. E. by N.	"	1			29.96	69	68	67		"	"	8	"
8		Ebb		N. N. E.	"	1			29.94	69	68	67		"	"	8	"
9				N. E.	N. E.	1			29.92	70	68	67		b.c.	"	6	"
10				N. N. E.	Calm	0			29.92	70	70	70		"	"	6	"
11				North	S. W.	1			29.98	71	71	70		"	str	5	"
Noon.	Fresh			S. W. by S.	South	1			29.98	72	71	70		"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2100 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 70 " 1246 "

P. M.												
1	Fresh	S. W. by S.	S. W.	1	29.96	72	72	71	b.c.	cirrus	4	d
2	"	"	West	2	29.91	73	73	71	"	"	4	"
3	"	S S W	"	2	29.90	73	73	71	"	"	4	"
4	"	"	"	2	29.90	73	73	71	"	"	3	"
5	"	"	W. N. W.	2	29.90	72	72	72	"	"	2	"
6	"	"	"	2	29.88	72	72	69	"	"	2	"
7	Smack	Water	N. W. by W.	2	29.86	72	72	69	"	"	2	"
8		Ebb	N. N. W.	3	29.88	69	71	70	"	Cumuli	2	"
9		"	N. by E.	3	29.88	70	71	70	"	"	1	"
10	"	"	N. E.	2	29.89	72	71	70	"	"	2	"
11	"	"	N. N. E.	2	29.89	72	71	70	"	"	4	"
Mid.	"	"	N. by E.	1	29.90	72	72	70	"	"	6	"

under the command of Commander N. H. Farquhar, U. S. Navy,

Monday September 9th, 1895.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.

Clear cool & pleasant weather. Bright starlight. Light airs from North. Flood tide. Moored in harbor, port chain on top.

H. Toomey
Ensign U.S.N.

From 4 to 8 A.M.

Clear & pleasant with fog bank to the E. Light airs from N.E. at 7. moving to E. with round turn in harbor, port chain on top.

Wm Waggaman
Ensign U.S.N.

From 8 A.M. to Meridian

Clear & warm. Calm & light airs from S.E. & S. Ebb tide. Read low water at 11.45 5 fms over the stern. Moving to flood at 11.55. Round turn & cross in harbor, port chain on top. At 9.30 inspected at quarters at 9. to clean ship for action. Then exercised at general quarters after which secured. At 11.30 loosed sail to a breeze. Overhauled dry gun cotton & primers. Tested magazine & shell room flood cocks.

A. F. Fechteler
Lieut U.S.N.

From Meridian to 4 P.M.

Fair & pleasant weather. Light airs from S. & first hour from S.W. then from West remainder of watch. At 1. called all hands abandon ship. All boats away in six(6) minutes. At 1.40 shortened sail. At 2. the Russian Chargé d'affairs came on board & was received with the usual honors. At 2.30 furled sail. Flood tide. Round turn & cross in harbor, port chain on top. Strength of tide 2 4 Knots

H. H. Toomey
Ensign U.S.N.

From 4 to 8 P.M.

Generally cloudy. Light breeze from West & W.N.W. Flood tide. High water at 6.20, 11 fms. Cleared harbor. Moving to eb at 7.05. Clear harbor. At sundown sent down topgallants yards & masts. Read to Charles, S.A.I.C, under arrest charge, he being under the influence of liquor. Immediately afterwards released him to undergo medical treatment

A. F. Fechteler
Lieut U.S.N.

From 8 P.M. to Midnight

Cloudy increasing to fair weather. Cool. Gentle breeze from N.W. changing to light breeze from N.E. last three hours. Ebb tide. Clear harbor.

H. H. Toomey
Ensign U.S.N.

Examined and found to be correct.

F. D. Galloway Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head.													
A. M.																	
1				S by W	Calm	0			29.92	71	69	69		b.c.	cirrus	8	S
2		"		"	"	0			29.92	71	70	69		"	"	7	"
3		"		"	"	0			29.93	71	70	70		"	cirrus	2	"
4		"		"	"	0			29.91	71	69	70		"	"	8	"
5		"		"	"	0			29.88	71	70	70		"	"	8	"
6		"		"	East	1			29.89	69	69	69		"	"	8	"
Flood		"		South	N.E.	1			29.89	68	69	68		"	"	2	"
8	Ebb			N.N.E.	N.E.	1			29.90	70	68	68		"	"	6	"
9		"		N by E	S.S.E.	1			29.95	72	70	68		"	"	6	"
10		"		N.N.E.	"	1			29.96	72	71	70		"	"	4	"
11		"		N by E	"	1			29.95	72	71	70		"	"	3	"
Noon.		"		Moored	"	1			29.95	72	71	69		"	"	4	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1450 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 70 " 846 "

P. M.													
1	Flood	S.S.W.	S.E.	1	29.95	71	70	70	b.c.	cirrus	9	S
2	"	"	S.S.W.	1	29.92	70	70	70	"	"	4	"
3	"	"	S"W.	1	29.90	70	69	69	"	"	4	"
4	"	"	S"W.	2	29.89	70	69	69	"	"	4	"
5	"	"	W.S.W.	2	29.88	70	69	69	"	"	4	"
6	"	S.W. by S.	W.N.W.	2	29.88	70	70	69	"	"	5	"
7	E"	S.W. by S.	W.N.W.	2	29.89	70	70	69	"	"	2	"
8	Ebb	N by W	N.W.	2	29.89	70	70	69	"	"	8	"
9	"	N by E.	N"W.	2	29.88	70	71	69	"	"	8	"
10	"	N.N.E.	"	2	29.88	70	71	70	"	"	8	"
11	"	Moored	"	2	29.88	70	70	69	"	"	8	"
Mid.	"	"	"	1	29.88	70	70	69	"	"	8	"

under the command of Commander T. F. Jewett, U. S. Navy,
Thursday September 20th, 1855.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A. M.
Fair and cool. Calm. Going to feed, at 12:30. Unmoored.

From 4 to 8 A. M. H. A. Lewis Naval Cadet U. S. N.
Clear and pleasant. Calm and light airs from East and N. E. Going to ebb at 7:30. Strength of feed at 4: 5 2-3 knots setting N. by E. At 7½ sent up top gallant masts and yards. Crossed in Lower Fort Chain on top. Received on Board 1280 lbs fresh beef and vegetables and 1633 lbs bread.
A. Fuchtis

From 8 A. M. to Meridian Lieut U. S. N.
Fair and pleasant weather. Light airs from S. S. E. at 7. assembled battalion and afterwards had battalion drill. Crossed in Lower Fort Chain on top.
T. J. Toomis

From Meridian to 4 P. M. Ensign U. S. N.
Fair and pleasant. Light air to light breez from S. S. E. Barometer falling. Sailmaker's Mate at work repairing Spanker. Moored in Lower Fort Chain on top.

From 4 to 8 P. M. H. A. Lewis Naval Cadet U. S. N.
Partly cloudy and pleasant weather. Light breez from S. E. shifting to N. N. E. at 6. Mustered at quarters. Moored in Lower Fort Chain on top.
T. J. Toomis Ensign U. S. N.

From 8 P. M. to Midnight.
Clear and pleasant. Light breez from N. E. Going to ebb at 8:20. Crossed in Lower Fort Chain on top.
H. A. Lewis Naval Cadet U. S. N.

Examined and found to be correct.
D. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chelmsford.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1	Log			S. by E.	East	1			29.88	70	70	70		bc	cirrus	8	S
2		"		S. S. E.	"	1			29.87	69	69	69		"	nimbus	10	"
3		"		S. S. E.	"	1			29.87	69	69	69		"	str	8	"
4		"		S. by E.	"	1			29.85	69	68	68		"	"	8	"
5		"		S. S. E.	S. E.	1			29.86	69	68	68		"	cirrus	5	"
6		"		South	S. S. E.	1			29.87	69	68	68		"	"	4	"
7		"				1			29.83	69	67	68		"	"	3	"
8	Log	"		S. S. E.	"	1			29.89	68	68	69		"	"	3	"
9	Log			N. N. E.	S. E.	2			29.90	69	69	69		"	cumu	3	"
10		"		"		3			29.93	71	69	70		"	"	1	"
11		"			S. S. E.	2			29.93	71	70	70		"	"	1	"
Noon.		"		N. E. by N.	South	2			29.92	72	71	71		"	"	1	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1402 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 70 " 446 "

P. M.											
1	Slack Water	S. S. E.	S. E. by S.	2	29.95	71	71	71	bc	cirrus nimbus	1	S
2	Flood	"	"	2	29.94	72	71	71	"	"	1	"
3	"	"	S. E.	2	29.93	71	71	71	"	cirrus	4	"
4	"	S. by E.	"	2	29.93	70	70	71	"	"	3	"
5	"	S. S. E.	"	2	29.93	70	70	72	"	"	3	"
6	"	S. S. E.	"	3	29.90	70	69	72	"	"	3	"
7	"	S. by E.	"	3	29.89	70	72	73	"	nimbus	4	"
8	"	S. E.	"	3	29.88	70	72	73	"	"	1	"
9	Ebb	South	E. by S.	3	29.90	69	72	73	bc	cumulus	0	"
10	"			3	29.91	72	71	73	"	"	0	"
11	"	N. by E.	N. E.	3	29.91	72	71	71	bc	"	2	"
Mid.	"	South	N. N. E.	3-4	29.92	71	71	64	"	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,

Wednesday September 21st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M.

Generally clear bright starlight. Cool. Clouds circumstns. Light airs from East. Bbb slacked at 12 30m. Commenced swinging at 1 o'c. Swung to flood at 1st. At end of watch, strength of flood 1.8 knots. Ebbing in hawse.

Ensign U. S. N.

From 4 to 8 A.M.

Clear decreasing to fair weather. Light airs from S.S.E. Flood tide. Ebb in hawse at 6. strength of this 2.0 knots.

Ensign U. S. N.

From 8 A.M. to Meridian

Cloudy & cool. Light to gentle breeze from S.S.E. at 9. went to quarters for inspection & muster. Exercised divisions as follows:- by 1st, 2d & 3d Great Guns, Navigators Boxwoods, Powder Machine Guns. At 10.20 called away all boats, armed & equipped. Received official visit from German Consul General. Carpenters Gang at work on board cutter. Sailmaker's Mate at work on whale boat sails. Quid turns in hawse, Port chain on top.

A.A. Surgeon
Asst. Cadet U. S. N.

From Meridian to 4 P.M.

Partly clear with cirr cumulus & cumulus clouds. Bright & pleasant. Light breeze from S.W. by S. & S.W. Slack water till 12 30m. Commenced swinging to flood at 10 o'c. Cleared hawse at end of watch, strength of flood 1.8 knots. Clear hawse. Engaged in cleaning mouldings around topsides inside.

Ensign U. S. N.

From 4 to 8 P.M.

Generally cloudy. Gentle breeze from S.W. by S. at 6. quarters for muster. Clear hawse.

A.A. Surgeon
Asst. Cadet U. S. N.

From 8 P.M. to Meridnight

Cloudy with occasional passing showers latter part. Clouds cumulus & stratus. Threatening appearances with moderate squalls last hour. Gentle to moderate breeze from N.W. by W. to N.N.W. Slack water till 8 P.M. when commenced swinging to ebb. Finished swinging at 8 30m. At end of watch, strength of ebb 2.2 knots. Clear hawse.

Ensign U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut. & Nav. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Memphis

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1	Ebb			N by W	N. N. W.	4			29.92	70	71	68		b.c.	cum	1	S
2	Flood			W N W	"	4			29.95	70	70	67		b.c.	"	3	"
3	"			S W by S	"	4			29.96	70	69	67		"	"	4	"
4	"			"	W N W	4			29.95	69	69	66		"	"	4	"
5	"			"	N. N. W.	4			29.95	68	67	64		"	"	5	"
6	"			"	"	3			30.02	67	66	63		"	"	2	"
7	"			"	N	3			30.03	66	65	62		"	"	2	"
8	"			W. S W	North	3			30.03	65	64	61		"	"	5	"
9	Ebb			North	N N W to West	3			30.03	66	64	61		"	cu-str	5	"
10	"			"	N by W	2			30.04	66	64	62		"	"	4	"
11	"			N by E	"	2			30.04	66	65	62		"	"	4	"
Noon.	"			"	"	2			30.04	67	66	62		"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1150 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 69 " 1386 "

P. M.										
1	Ebb	N by W	N by W.	2	30.03	68	68	63	b.c.	cum str	6	S
2	Flood	W N W	N W.	2	30.05	69	69	64	"	"	5	"
3	"	S W by S	"	2	30.00	71	71	65	"	"	5	"
4	"	"	"	3	30.00	72	72	65	"	"	2	"
5	"	S S W	"	3	30.00	72	71	64	"	cir cum	0	"
6	"	"	"	3	30.00	72	70	65	"	"	0	"
7	"	"	"	3-4	30.00	71	69	64	"	cu nim	0	"
8	"	S W by S	"	3-4	30.01	71	69	64	"	"	0	"
9	"	West	N. N. W.	4	30.03	70	68	62	"	"	0	"
10	Ebb	N by E	"	4	30.04	69	67	62	"	"	0	"
11	"	"	N by W	4	30.05	68	66	61	"	"	1	"
Mid.	"	"	"	4	30.05	67	66	61	"	"	1	"

under the command of Commander N. F. Jewell, U. S. Navy,

Thursday September 22d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and Until 4 A.M.

Generally cloudy with lightning first hour. Moderate breeze from N.E. to N.N.W. At 2. closing the flood with clear hawse.

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 A.M.

Fair to cloudy. Moderate to gentle breeze from N.W. & W. At 5.30 loosed sail to a breeze. Riding to flood with clear hawse. Paymaster H.R. Smith U.S.N. returned from leave.

F.A. Lord
Naval Cadet U.S.N.

From 8 A.M. to Meridian.

Partly clear with cir. str. clouds. Light to gentle breeze from N.N.W. to North. Warned at 9.30 a.m. to quarters for inspection after which drilled as follows:- 1st Lion Single Sticks 2d Machine Guns & Bayonet Exercise, 3d Machine Guns, Cutlass Stations & Navigators Pistols. Furled sail & sent down Top gallant Yards & Top gallant Masts. Scraped & pared. Made repairs on boards of fore T. Mast. Started fires in boilers 1 & 3 for distilling. Got up fore tack and sheets & head sheets. Started to swing ship at 8.15. Finished at 8.50. At end of watch, strength of ebb 1.8 knots. Clear hawse.

A.C. Poundstone
Ensign U.S.N.

From Meridian to 4 P.M.

Partly clear. Light to gentle breeze from N. by W. & N.N.W. Swung to flood at 2 P.M. Japanese Navy Officer made call to say that they would dress ship ensign at head in honor of the autumn fete day of the late emperor. Commenced distilling. Scraped clean fife rails and pail around foot. Clear hawse.

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 P.M.

Partly clear at first, with cir. cumm. & str. clouds. Overcast afterwards with cumm. & cumb. clouds. Light to moderate breeze from N.W. Crossed T.G. Yards & sent gear. Called to quarters for muster at 6.15. Riding to flood. At 5 ft. strength of flood 2.5 knots. Clear hawse. Distilling.

A.C. Poundstone
Ensign U.S.N.

From 8 P.M. to Midnight

Generally overcast & cloudy. Moderate breeze from N.N.W. & N. by W. At 9. swung to ebb with clear hawse. Distilling.

W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

E.D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Chemulpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			North	North	3			30.04	66	66	60		b.c.	cir cumm	2	9
2	"			N by W	"	3			30.04	65	64	59		"	"	5	"
3	Flood			W N W	"	3			30.04	64	63	60		"	"	4	"
4	"			S W	"	3			30.03	64	63	60		"	"	4	"
5	"			S W by S	N N W	3			30.04	66	64	61		b.c.	cir.	9	"
6	"			S S W	N N E	3			30.03	65	64	61		"	"	9	"
7	"			"	"	3			30.05	64	63	60		"	"	9	"
8	"			S by W	"	3			30.05	64	63	60		"	"	9	"
9	Ebb			S by E	"	3			30.05	65	66	62		b.c.	cir cumm	9	"
10	"			N N E	"	2			30.05	64	66	62		"	"	9	"
11	"			"	N N W	1			30.05	68	64	63		"	"	9	"
Noon.	"			"	S W	1			30.04	68	64	63		"	"	9	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 1350 "

Water remaining on hand fit for use at Noon, 2150 "

Coal consumed during the preceding 24 hours, 1 tons 1490 lbs.

Coal remaining on hand at Noon, 67 " 2136 "

P. M.									
1	Ebb	North	N by W	1	30.02	69	68	b.c. cir cumm	9 9
2	Slack Water	S by E	N N W	1	29.99	70	69	" "	8 "
3	Flood	S S W	W N W	1	29.99	70	69	" "	2 "
4	"	S W by S	"	2	29.96	72	71	" "	2 "
5	"	"	"	2	29.95	72	71	" "	6 "
6	"	"	"	2	29.94	70	70	" "	4 "
7	"	"	"	2	29.92	70	71	" "	2 "
8	"	S S W	"	2	29.92	70	70	b.c. cumm	0 "
9	"	"	North	1	29.92	70	70	" "	0 "
10	Ebb	N by W	N N W	2	29.90	69	69	" "	0 "
11	"	North	"	2	29.90	69	68	b.c. "	0 "
Mid.	"	"	"	2	29.90	69	69	" "	2 "

under the command of Commander S. F. Jeanes, U. S. Navy,

Friday September 23d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A.M.

Cool and partly cloudy. Gentle breeze from N.N.W. At 3.20 crossed to flood. Clear hawse. Distilling.

A. F. Jeanes
Lieut U.S.N.

From 4 to 8 A.M.

Generally clear with cir. cum and str clouds. Bright and cool. Gentle breeze from N.N.W. 1st hour, N.N.E. afterwards. Riding to flood at 4a.m., strength of flood 1.8 knots. Clear hawse. Received on Pay Dept for issue to crew 1188 lbs each of fresh beef and vegetables and 10 ozs bread. Dressed ship at 8 a.m. Japanese flag at the main in honor of Mikado's Autumnal Fêtes. Distilling.

A. C. Dennyhaye.)
Ensign U.S.N.

From 8 A.M. to Meridian

Clear, bright and pleasant. Light airs to gentle breeze from N.N.E. to E. through North. At 9.30 inspected crew at quarters afterwards exercised 1st and Powder Divisions at bayonet exercise also one half of 2d Division 3d and Rad. Divns at single sticks, one half 2d Divn at machine guns. Crossed to ebb with cross in hawse. Let chain run up, at 9.10 Scraped fife rails fore and mizzen pin rails. Distilling.

W.B. Wogg
Ensign U.S.N.

From Meridian to 4 P.M.

Clear and coarse. Light airs from N.N.W. to W.N.W. At 3 crossing to flood. Ebb in hawse. Cleared hawse. Unmoored, heaving in starboard anchor and in to 45 fms on port chain. Sighted a fleet of six men-of-war standing into the harbor. Distilling.

A. F. Jeanes
Lieut U.S.N.

From 4 to 8 P.M.

Clear first part then cloudy hazy and cool. Light to gentle breeze from W.N.W. Secured starboard anchor and unbent chain and sent it below. Hawse in to 45 fms on port chain and secured it. At 5.00 a fleet of six English men-of-war under the command of English Vice Admiral came to. Sent boarding officer to offer usual courtesies. Call returned by officer from the flagship. At 5.45 crew mustered at quarters. At six went to fire quarters. Distilling.

W.B. Wogg
Ensign U.S.N.

From 8 P.M. to Midnight

Cool and cloudy. Light breeze from North to N.N.W. at 9.30 crossing to ebb. Distilling

A. F. Jeanes
Lieut U.S.N.

Examined and found to be correct.

E.D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor in the harbor of Memphis

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N by E.	N ne	1			29.92	68	64	64		o c.	cumulus	0	0
2	"			"	"	1			29.92	64	66	63		"	"	0	"
3	"			N N W	"	1			29.92	64	66	63		"	"	0	"
4	Flood			S S W	"	1			29.91	68	64	63		"	"	0	"
5	"			S by S	"	1			29.90	64	64	63		b c.	"	1	"
6	"			S S W.	"	1			29.90	62	64	63		"	cir cumu	5	"
7	"			"	Calm	0			29.90	64	66	64		"	"	2	"
8	"			"		0			29.88	68	64	64		"	"	2	"
9	"			S W.	N W.	1			29.90	69	69	66		"	"	6	"
10	Ebb			N W.	"	2			29.90	70	69	65		"	"	6	"
11	"			N by W.	"	4			29.89	70	69	67		"	"	6	"
Noon.	"			"	"	4			29.88	71	70	67		"	"	2	"

Course and distance made good since preceding noon by observations, knots tenths.

NOT

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at Noon, 3000 "

Coal consumed during the preceding 24 hours, 1 tons 1310 lbs.

Coal remaining on hand at Noon, 66 " 826 "

P. M.								
1	Ebb	North	West	4	29.85	72	70	b c. cir cumu
2	"	N W by N		4	29.85	72	69	" "
3	Flood	N W by W	N W.	4	29.84	73	69	" "
4	"	W by S.	"	4	29.84	72	70	" "
5	"	S W.	"	4	29.84	70	69	" "
6	"	"	"	4	29.85	69	68	" "
7	"	"	"	4	29.85	64	65	" cumu nimb
8	"	S W by S.	"	5	29.86	66	64	" cumu
9	"	S W by W.	N W.	5	29.89	66	64	" cumu cir cumu
10	"	W by S.	North	5	29.89	66	63	" nimb
11	Ebb	N by W	"	5	29.90	65	61	" cir cumu
Mid.	"	North	"	5	29.91	62	60	" cir cumu

under the command of Commander T. F. Jewett, U. S. Navy,
Saturday September 24th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Cloudy and pleasant weather. Light airs from North. Ebb tide. Listening.
T. F. Toomis
Ensign U. S. N.

From 4 to 8 A.M.
Cloudy first part clearing towards end of watch. Calm and light airs from North. Listening.

From 8 A.M. to Meridian
W. B. Haggett
Ensign U. S. N.
Clear and pleasant. Light breez from N.W. increasing to moderate breez towards end of watch. At 9.20 strong to ds. At 11.25 shifted distilling the tanks being full and hauled fires.

From Meridian to 4 P.M.
A. F. Schuyler
Lieut U. S. N.
Fair and cool weather. Moderate breez from west shifting to N.W. last half of watch. Squally. Flood tide made at 2:05.

From 4 to 8 P.M.
T. F. Toomis
Ensign U. S. N.
Generally cloudy and squally. Wind moderate to stiff from N.W. Flood tide. At 5.00 mustered at quarters. At sundown sent down top gallant yards and masts.

From 8 P.M. to Midnight
A. F. Schuyler
Lieut U. S. N.
Fair increasing to clear weather. Bright starlight. Stiff breez from N.W. and North. At 10:30 strong to ebb tide.
T. F. Toomis
Ensign U. S. N.

Examined and found to be correct.

R. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor in the harbor of Chemnpo

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			North	North	5			29.94	61	59	55		bc	cumu	9	
2	"			N by E.	"	4			29.95	60	58	56		"	"	9	"
3	"			North	"	4			29.97	59	54	53		"	"	9	"
4	"			N by W	"	4			29.97	58	56	52		"	"	9	"
5	"			N W.	N N W.	4			30.00	56	55	52		"	"	9	"
6	Slack			W by N.	"	4			30.00	54	50	53		"	"	9	"
7	Flood			S W by W	"	4			30.00	54	56	60		"	"	8	"
8	"			"	"	3			30.01	58	56	53		"	"	6	"
9	"			S W by S	"	3			30.03	58	54	53		"	circ	8	"
10	"			S W	North	3			30.02	60	60	56		"	"	7	"
11	Ebb			W N W.	"	3			30.02	62	61	54		"	"	6	"
Noon.	"			N by E.	"	2			30.00	62	61	56		"	"	6	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2650 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 66 " 426 "

P. M.											
1	Ebb	N by E	S E.	1	29.96	46	35	8	bc	circ	5
2	"	N N E.	"	1	29.96	46	36	0	8	"	5
3	"	"	"	1	29.96	56	45	9	"	"	5
4	Slack	North	Calm	0	30.00	56	46	0	"	"	3
5	Flood	N W by S	N W.	1	30.00	56	56	0		circum	2
6	"	"	"	1	29.97	56	56	0	"	"	1
7	"	"	"	1	29.97	60	60	0	"	"	1
8	"	"	"	1	29.97	56	56	0	"	"	1
9	"	"	North	2	29.97	46	45	9	oc	"	0
10	"	"	"	2	29.99	46	36	9	"	"	0
11	"	South	"	2	29.98	46	36	9	"	"	0
Mid.	Ebb	N by E	"	3	29.97	36	20	8	"	"	0

under the command of Commander T. F. Jewett, U. S. Navy,
Sunday September 25th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Clear and cool. Stiff to moderate breeze from South. Ebb tide.

H. A. Lewis
Naval Cadet U. S. N.

From 4 to 8 A.M.

Clear and cool. Moderate breeze from N. by W. at 6. Ag. moving to flood at 7. sent up top gallant yards and masts.

C. A. F. Jeffers
Lieut U. S. N.

From 8 A.M. to Meridian

Clear and pleasant weather. Fresh decreasing to light breeze from South. At 9.30 mustered and inspected at quarters. Held Divine service. The Boards Officers of H. B. M. Ships "Swift" "Audacious" "Alacrity" "Raven" and "Cordelia" paid official visits to this ship and were received with the usual civilities. At 11.0 Ag. moving to ebb tide.

F. Toomey
Ensign U. S. N.

From Meridian to 4 P.M.

Fair and pleasant. Calm and light air from S.E. Barometer steady. Rounded up starboard bower chain. Ebb tide.

H. A. Lewis
Naval Cadet U. S. N.

From 4 to 8 P.M.

Cloudy weather. Light airs from N.W. The Boards Officers of H. M. S. "Eustace" came on board. At 7.15 U. S. S. "Omaha" made Jeriff Code, Ships number 36. Answered and made No. 44 "Omaha" at 7.35 made Int 12 11. Answered and made 90 Answered. Flood tide. Overhauled part of starboard bower chain. Exercised in Navigation Duties, Signal pocket and staff, fourteen guns, eight red lights Ships lights and

F. J. Toomey
Ensign U. S. N.

From 8 P.M. to Midnight

Overcast and cloudy. Cool. Light to, gentle NE breeze. Ebb moving to ebb at 11.38.

H. A. Lewis
Naval Cadet U. S. N.

Examined and found to be correct.

C. D. Galloway Lieut U.S.N.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor in the Harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N. N. E.	North	3			29.94	61	61	54		D.C.	Cumh	0	4
2	"			"	"	2			29.94	61	60	52		"	"	0	"
3	"			"	"	1			29.94	61	61	54		"	"	0	"
4	"			N. by E.	Calm	0			29.94	61	61	54		"	"	0	"
5	"			N. N. E.	North	1			29.95	60	60	52		"	"	0	"
6	Flood			West	"	1			29.98	62	61	58		"	"	0	"
7	"			S. W. by W.	"	1			30.01	63	61	56		"	"	0	"
8	"			S. S. W.	N. E.	1			30.02	63	61	58		"	"	0	"
9	"			"	South	1			30.02	64	62	58		D.C.	Cir. Cum	2	"
10	"			"	S. W.	1			30.02	66	64	60		"	"	4	"
11	"			"	Calm	0			30.02	64	66	62		"	"	3	"
Noon.	"			S. W. by S.	"	0			30.01	68	67	63		"	"	3	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2300 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 66 " 26 "

P. M.														
1	Ebb	N. W. by W.	Calm	0	29.98	64	69	64	D.C.	Cir. Cum	2	4
2	"	North	West	2	29.96	64	68	64	"	"	5	"
3	"		N. W.	3	29.94	68	68	66	"	"	5	"
4	"	N. by W.		3	29.98	68	68	66	"	"	4	"
5	Slack Water	N. W. by N.	N. W. by W.	3	30.00	69	68	66	"	Cir	3	"
6	Flood	W. by N.	W. by N.	3	29.99	68	67	64	"	"	2	"
7	"	W. by S.	N. by W.	3	29.98	68	67	65	"	"	6	"
8	"	S. W. by W.	N. N. W.	3	29.99	67	66	64	"	"	3	"
9	"	S. S. W.	N. W.	2	30.00	67	66	64	"	"	4	"
10	"	S. W. by S.	"	2	30.01	67	65	64	"	"	8	"
11	"		"	2	30.02	66	65	64	D.	Time	10	"
Mid.	"	S. W.	"	2	30.02	66	66	64	"	"	10	"

under the command of Commander T. F. Jewell, U. S. Navy,
Monday September 26th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M.

Overcast with cumulus clouds. Fresh breeze from North 1st hour, varying to light breeze and light airs. Calm last hour. Riding to ebb. At 3d strength of ebb 1.6 knots.

H. C. Poundstone
Ensign U. S. N.

From 4 to 8 A.M.

Overcast and cloudy. Cool. Light airs from North while last hour when N.E. At 6. moving to flood tide. At 6:30 the U.S. Minister to Peru, Mr Buchanan left ship "Omaha" officially. At 7:20 U.S.S. "Omaha" made Int 6 and 4. Answered Gun at 7:30 made II Div, II Squadron 4. Visited senior officers present.

F. J. Boomer
Ensign U. S. N.

From 8 A.M. to Meridian

Generally cloudy. Pleasant. Calms and light airs, Fly. At 9:30 beat to Quarters. Examined magazine and shell room flood cocks. Tested gun cotton and overhauled electrical apparatus. At 9:45 Board of Officers of "Omaha" paid official visit to ship. At 10:20 Captain left ship to pay official calls. Flood tide. English fleet went out of harbor at 10.

H. A. Lord
Naval Cadet U. S. N.

From Meridian to 4 P.M.

Partly clear with cir. cumu clouds. Bright and pleasant. Calm first hour. Light to gentle breeze from West to N.W. afterwards. Slack water till 12:30 when moving to ebb. "Iroquois" and "Adams" came in and anchored at end of watch. Strength of ebb 0.5 knots. H.M.S. "Absecity" left the harbor.

H. C. Poundstone.
Ensign U. S. N.

From 4 to 8 P.M.

Fair and cool. Gentle breeze from N.W. and W. Slack water at 5. when tide turned flood.

H. A. Lord
Naval Cadet U. S. N.

From 8 P.M. to Midnight

Generally clear bright moonlight. Cool. Light cir. cumu and th. clouds. Light East, Light N.W. breeze. Riding to flood. At 11:30 strength of flood 1.2 knots.

H. C. Poundstone
Ensign U. S. N.

Examined and found to be correct.

W. D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor in the harbor of Cherrapoo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	Sleek Water			W. by W.	N. N. W.	1			30.01	65	65	63		b	cumu	10	d
2	Ebb			N. N. E.	North	1			30.01	64	64	63		"	"	10	"
3				N. by E.	"	1			30.01	63	63	62		"	"	10	"
4				N. N. E.	"	1			30.03	63	63	62		"	"	10	"
5				"	"	1			30.05	63	63	62		"	"	10	"
6				"	"	1			30.08	63	63	62		b c	cir cumu	9	"
7				N. E. by N.	"	2			30.12	63	62	61		"	"	9	"
8	Sleek Water			N. N. W.	"	2			30.12	63	62	62		"	cir	9	"
9	Flood			S. W. by W.	N. W.	2			30.12	64	63	62		"	"	8	"
10				S. W. by S.	"	2			30.12	66	65	64		"	"	7	"
11						2			30.12	69	67	65		"	"	7	"
Noon.				S. by W.	N. N. E.	1			30.10	68	68	65		"	"	7	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ☉ ° ' "
- Longitude by chronometer from Forenoon Observations of ☉ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ☉ observed at " ° ' "

Variation of the Compass by Azimuth ☉ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1958 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 65 " 1866 "

P. M.									
1	Flood	S. by E.	W. S. W.	1	30.01	68	67	b c cir cumu	6 d
2	"	S. W. by W.	"	1	30.06	69	67	" "	6 "
3	Ebb	N. W. by W.	West	2	30.06	69	68	" "	5 "
4	"	North	W. N. W.	2	30.04	69	68	" "	4 "
5	"	"	"	2	30.04	69	68	" cir	3 "
6	"	N. N. W.	"	2	30.05	68	68	" "	4 "
7	Sleek Water	N. W. by W.	"	2	30.05	68	67	" "	5 "
8	Flood	W. by S.	"	2	30.05	67	67	" "	5 "
9	"	S. W.	N. N. W.	1	30.04	67	68	" "	4 "
10	"	S. W. by S.	"	1	30.03	67	68	" cir cumu	4 "
11	"	"	"	1	30.03	67	68	" "	6 "
Mid.	"	S. by W.	"	1	30.03	67	68	" "	3 "

under the command of Commander T. F. Jewell, U. S. Navy,
Tuesday September 2nd, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and Unitd St. A. M.
Clear, bright and cool. Light airs from N.N.W. and North.
W.B. Hoggatt
Ensign U. S. N.

From 4 to 8 A. M.
Clear and pleasant. Light air to light breeze from North. Slack water at 8: a.m. At 7:35 made time and Press signal. Answered by "Omaha". Japanese mail steamer left the harbor at 6.25.
H. R. Lewis
Naval Cadet U. S. N.

From 8 A. M. to Meridian
Partly clear with cir. cumi and str. clouds. Bright and pleasant. Light breeze from N.W. till last hour when wind shifted to N.N.E. in light airs. Went to quarters for inspection at 9.30 after which Drilled as follows. 1st Div. Machine Guns, 2d and Powder, Cutlass Sticks, 3d and Engrs, Rifles. Had Battalion Drill at 10 a.c. Slack water at 8 a.c. Turning to flood at 8 a.m. At end of watch, strength of flood 1.2 knots. Discharged Mr Lee, Ldg, at his own request.
H. C. Poundstone
Ensign U. S. N.

From Meridian to 4 P.M.
Partly clear. Pleasant. Light airs and breeze from E.N.E. to W. by W. Turning to ebb at 3.31. Reloaded 6 2 green and 3 2 red Very's Lights. Expended 1 red and 1 green and found 2 green cases unfit for use.
W.B. Hoggatt
Ensign U. S. N.

From 4 to 8. P.M.
Partly clear with cir. cumi and str. clouds. Bright moonlight latter part. Light breeze from W.N.W. Pleasant weather. Rowed off and fired I.G. lights. Communicated making preparations for sea. An officer of Chinese gunboat called officially. Sent main topsail and fore topmast staysail. Went to quarters for stations at 6 30. Secured battery for sea. Riding to ebb till 7 a.c, when tide slacked. at 4 a.c, strength of ebb 1.2 knots. Riding to moderate flood tide from 7 a.c till end of watch.
H. C. Poundstone
Ensign U. S. N.

From 8. P.M. to Midnight
Partly clear. Pleasant. Light airs from N.N.W.
W.B. Hoggatt
Ensign U. S. N.

Examined and found to be correct.

E. D. Galloway
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor in the harbor of Chemulpo.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Flood			South	N. E.	1			30.03	68	64	66		b.c.	cir cumm	2	S
2				S. by W.	E. N. E.	1			30.02	68	64	66		b.cum.	"	1	"
3				S. by E.	"	1			30.02	66	64	66		"	"	2	"
4	Ebb			N. by E.	"	1			30.01	64	66	66		"	"	2	"
5				"	"	1			30.02	66	66	65		"	cir cumm str	3	"
6	3	9	3 9	Steering out of harb	Calm	0			30.16	66	65	65		"	"	2	"
7	5	9	9.8	Chemulpo Harbor	/	0			30.09	66	66	66	65	"	"	1	"
8	8	5	18.3	Steering Main Channel	S. E.	1			30.04	66	65	66		"	"	1	"
9	8	2	26.5	S. W.	South	1			30.06	69	68	64	64	b.c.	"	2	"
10	8	3	34.8			1			30.06	69	69	64	64	"	"	3	"
11	4	3	39.1	S. W. by S.	West	2			30.06	70	69	64	64	"	"	4	"
Noon.	1	6	44.7	S. S. W.	"	2			30.06	69	68	64	64	"	"	6	"

Sg 1018
Lat N 37°28'
Long E 126.36

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by ~~D. R.~~ Bearings E 126 ° 02' 00"
- Latitude by ~~observations of ⊙~~ Bearings N 36 ° 45' 30"
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by Bearings N 35° 39 00"
- Longitude by Bearings E 125° 53' 00"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1600 "

Coal consumed during the preceding 24 hours, 6 tons 2080 lbs.

Coal remaining on hand at Noon, 58 " 2026 "

P. M.																
1	8	4	59.1	S. S. W. 1/2 W.	West	2			30.03	69	68	64	64	b.c.	cir cumm	5	S
	1	3	59.4	S. by W.													
2	8	8	68.2	"	"	2			30.01	69	68	64	64	"	"	5	"
3	8	5	76.7	"	"	2			30.00	69	69	68	64	"	"	6	"
4	8	3	85.0	"	"	2			29.99	69	69	64	64	"	"	7	"
5	8	5	93.5	"	N. N. W.	2			30.00	69	68	64	64	"	"	7	"
6	8	7	2.2	"	"	2			30.00	69	68	64	64	"	"	7	"
7	8	6	11.0	"	"	2			30.00	69	68	64	64	"	"	4	"
8	8	5	19.5	"	"	2			30.02	69	68	64	64	"	"	3	"
9	6	5	24.9	"	N. W.	2			29.98	69	68	64	64	"	"	3	"
10	8	8	32.8	"	"	2			29.98	69	68	64	64	"	"	2	"
11	6	9	43.5	S. by W. 3/4 W.	W. N. W.	2			29.98	68	68	64	64	"	"	1	"
Mid.	8	5	51.6	"	"	2			29.98	68	68	64	64	"	"	1	"

under the command of Commander T. F. Jewett, U. S. Navy,

Wednesday September 28th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Cutis H A M

Cloudy. Light airs from N. E. & E. N. E. Strong breeze at 3. 30 Started fires in six boilers at 1. 00.

A. F. Jewett
Lieut Cd

From M to 8. A M.

Cloudy & cool. Cloudy circumstr. Light E. N. E. airs 1st hour. Calm 2d & 3d hours. Light airs from E. E. last hour. Smooth sea, with occasional tide ripples. Ship steady. At 4h 5m turned engines over. All ready at 5h 0m when called all hands up anchor. Got underway at 5h 2m & stood out of Chemulpo Harbor. At 5h 7m Fort on P. S. reading O. O. Stopped from 6h 0m to 6h 2m to ease up on crank pin brasses. Secured port anchor for sea and put in bucklers. At end of watch standing down Main Channel thro Inner Imperial Archipelago. At 8h 0m abreast of Yenood Rock, bearing S. E. 1/2 E. 2 miles dist. Ship 13 ft & 15 ft.

F. C. Saunderson
Ensign U S N

From 8 A M to Meridian

Partly clear. Light airs & breeze from South & West. At 9. 30 muster & read at quarters, after which exercised 1st & 3d Divs at Great Guns, 2d & Powder Div at Small Arms Drill, Marines at Machine Guns. Standing through Inner Imperial Archipelago. Commdg Officer and Navigator at the Guns. At 10. 50 set fore & aft sail & at 11. 40 set foresail. At end of watch Jubbin Id bore (per) W. S. W. 1/2 W. Ships Head S. S. W. 1/2 W.

W. B. Hoggatt
Ensign U S N

From Meridian to 4 P M

Clear & pleasant. Light breeze from West. Comm'd S. by W. Under steam, fore & aft sail & foresail. Land in sight on both hands.

A. F. Jewett
Lieut U S N

From 4 to 6 P M

Clear, cool & pleasant. Gentle breeze from N. W. Steaming course S. by W. Foresail, jib, main trysail & spanker set. Land on port hand. P. L. registered 2.2 at end of watch.

F. J. Young
Ensign U S N

From 6 to 8 P M.

Partly clear, with cirro-cumulus clouds coming from N. Bright moonlight. Pleasant. Light breeze from W. N. W. Smooth sea. At end of watch under steam & fore & aft sail & foresail. Land in sight on port hand. At 8h 0m Nayangdong 2 leagues E. 1/2 S. Ican-san-do Rock (pc) S. S. E.

W. C. Pope
Ensign U S N

From 8 P M to Midnight

Partly clear. Pleasant. Light breeze from N. W. & N. W. at 10h 0m Chemulpo course to S. by W. 1/2 W. at end of watch. Under steam fore & aft sail & foresail. Land in sight on port hand during watch. At 12 o'clock Darrow Id bore E. N. E. 1/4 E. (pc)

W. B. Hoggatt
Ensign U S N

Examined and found to be correct.

E. D. Galloway
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.	6	3	59.9	S by W 3/4 W S S W	W by N	2			29.94	69	68	68	64	b c.	cir cumm	2	S
1	7	3	61.2														
2	8	2	69.4	"	"	2			29.96	68	68	68	66	"	"	1	"
3	8	0	77.4	"	"	3			29.96	68	68	69	66	b c.	cumm nimb	9	"
4	6	2	84.1	S W by S	N N W	5			29.96	68	66	64	66	" R.	"	2	"
5	5	9	92.0														
	2	8	94.8	S by E	N E by N	4			29.94	67	65	66	65	b c.	"	9	"
6	9	2	4.0			4			30.04	67	65	66	64	"	"	9	"
7	7	1	10.2	S S W S E E.	N W b W	4			30.01	67	64	64	62	"	"	9	"
8	10	5	24.7	S E b E	N W by W	4			30.01	66	64	64	62	b c.	cir cumm	1	"
9	10	1	34.8	"		4 5			30.02	64	64	64	69	b cum	cumm str	3	"
10	7 1/2	3/4	45.3	S S W S E E.	"	4 5			30.03	64	64	68	68	"	"	3	"
11	9	9	55.2	"	"	4			30.01	64	63	62	69	"	"	6	"
Noon.	9	3	64.5	"	"	4			29.99	64	65	63	62	"	"	7	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by ~~D. R.~~ Bearings — N 34°.02' "
- Longitude by ~~D. R.~~ Dg — E 125°.58' "
- Latitude by observations of ⊙ — ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — ° ' "

Position at 8 a. m.:
- Latitude by Bearings — N 34°.02' "
- Longitude by Dg — E 125°.58' "

Position at 8 P. M.:
- Latitude by D. R. — N 33°.04' "
- Longitude by D. R. — E 124°.58' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 359 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 12559 "

Coal consumed during the preceding 24 hours, 15 tons 1360 lbs.

Coal remaining on hand at Noon, 43 " 666 "

P. M.															
	9	1/2	66.2	S E by E 1/4 E S S E by E 3/4 E.	N N W	4			29.98	68	66	64 1/2	b cum	cir cumm str	6
1	9	2	73.3												
2	6	8	80.1	S E by E	N W by N	4			29.96	69	67	64	62	"	8
3	9	6	92.3	"		4			29.93	69	68	66	62	"	9
4	9	6	1.9	"	"	4			29.94	69	68	66	62	"	9
5	9	6	11.5	"		4			29.94	69	68	65	64	b c.	8
6	9	6	21.1	"	W N W	4			29.94	69	68	65	64	"	8
7	9	4	30.5	"		4			29.91	69	68	66	64	"	5
8	9	8	39.8	"	N N W	4			29.90	70	69	66	64	"	4
9	9	2	49.9	"	North	5			29.92	69	69	66	64	"	6
10	9	5	58.5	"	"	4			29.93	69	68	66	66	"	4
11	6	2	64.8	S E by S	"	4			29.92	70	69	64	66	"	8
Mid.	8	9	72.4	"	"	4			29.93	70	69	64	66	"	5

under the command of Commander T. F. Jewett, U. S. Navy,
Thursday September 29th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M.

Generally cloudy. Occasional bright moonlight during first part of watch. Light breeze from W by N. until 3. 15 when squalls came out stiff from N.N.W. Took in spanker at 12 to. Changed course to S.S.W. P.L. 5 9 9, at 3.45 to S.W by S. P.L 8 4 1. at 3.45 Fort Pinnacle bore on port beam distant 1.8 miles P.L. 7 4 4.

A. F. Scribner
Lieut U.S.N.

From 4 to 8 A.M.

Overcast and cloudy with light passing shower first hour. Moderate breeze from N.E. by N first half and North last half. at 4 to, changed course from S.W. by S to S by E. At 5.20 made sail to topgallant sails. at 6.02 changed course to S.S.E, at 6.30 S.E 1/4 E and at 7. S.E. by E. Steamer Landing in sight on port bow. P.L. 7 4 4. at 8 00 Pinnacle bore (pc) N.W by N. Fort of Lyra S. by E.

W. F. Spooner
Ensign U.S.N.

From 8. A.M. to Meridian

Partly clear, with cumulus and cirro stratus clouds. Hazy. Moderate to stiff breeze from N by W. Moderate sea from N by W. At 9.30, went to quarters for inspection after which drilled 1st Div at Single Sticks, 2d Div. Gunnery Instructions and Bayonet Exercise, 3d Div. Machine Guns Pointer Stations and Engrs Rifles. By order of Lieut Cmdg Officer C. Dennis Capt Yds, was detached to Landsman from 25th inst, for abusing a chief petty officer. At 9 00 sighted east end of Guilford Island. At 9.30, changed course to S.E. 1/4 E. P.L. 3 7 9. At 9.40, changed course to S.E by E. 1/4 E. P.L. to 2. at end of watch under steam and plain sail to topgallant sails, on course S.E by E. 1/4 E. Blazings Group Id W 1. W. 3/4 W). Montreval N.E. 1/4 N,. Islands in sight to N. During entire watch.

N. C. Paquette
Ensign U.S.N.

From Meridian to 4 P.M.

Generally clear. Moderate breeze from N.N.W and N.W by N. At 12 M changed course to S.E by E 3/4 E and at 1.40 to S.E by E. At 1.42 bent royals. Crossed royal yards and set royals. At 2.10 took in spanker and main topsail. At end of watch under steam and plain sail to royals except flying jib, spanker, and main topsail. Gull part Id (Pnk) bore (pc) W. 1/4 N.

W. B. Haggett
Ensign U.S.N.

From 4 to 6 P.M.

Clear and pleasant. Moderate breeze from N.W by N. Course S.E by E. Took in fore topmast staysail.

A. F. Scribner
Lieut U.S.N.

From 6 to 8 P.M.

Fair and pleasant weather. Moderate breeze from W.N.W. Moderate sea. Plain sail to royals except flying jib, fore topmast staysail, main topsail and spanker. Course S.E by E.

W. F. Spooner
Ensign U.S.N.

From 8 P.M. to Midnight

Partly clear with cirro cumulus and stratus clouds. Bright moonlight and starlight. Stiff breeze from N.N.W 1st hour. Moderate breeze from North afterwards. Moderate sea from same direction. At 9.15, set fore topmast staysail, main topsail and spanker. At 10.25 sighted Goto Island and changed course to S.E by S. P.L. 6 2 6. Took in fore and aft sail except jib. At 10.40, sighted Goto Island Light bearing (pc) S.E. 7/8 S. at end of watch, on course S.E by S. under steam, square sail to royals and jib. Goto Island light bearing (pc) S.E. by S.

N. C. Paquette
Ensign U.S.N.

Examined and found to be correct.

C. D. Galloway Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1	8	3	85.0	S E by S	North	4			29.91	69	64	55		b.c.u.	cir-cumu-lo	4	H
2	8	2	93.2	E by E	"	3			29.92	69	64	55		"	"	4	"
3	11/2 8	2	94.2 02.6	E ½ S	"	4			29.91	69	64	55		"	"	5	"
4	8	2	08.7 11.9	E ¾ N.	N by W	4			29.90	68	64	55		"	"	5	"
5	9	0	20.9	"	"	4			29.90	69	64	55		b.c.	"	5	"
6	2 1	2 4	25.6 28.3 29.7	E by S E by S.	N E.	4			29.91	69	64	55		"	"	5	"
7	2 0	3 3	31.8 32.3	N 2 by E ½ E.	"	4			29.92	69	64	55	54	"	"	6	"
8	8	8	40.3	"	"	3			29.92	70	64	56		"	"	6	"
Standing in for an anchorage					"	3			29.93	71	64	56	1	"	cir-cumu	5	"
10	Ships Head			North	North	2			29.93	71	64	56	1	"	"	4	"
11				N by E.	East	2			29.93	70	64	56	2	"	"	2	"
Noon.				North	Calm	0			29.93	70	64	56	2	"	"	2	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 359 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 900 "

Coal consumed during the preceding 24 hours, 12 tons 1510 lbs.

Coal remaining on hand at Noon, 30 "1896 "

P. M.														
1	Ebb	N. N. W.	Calm	0	29.93	70	64	56	2	b.c.	cir-cumu-mul	2	S	
2	Slack Water	N W by N	"	0	29.91	69	65	56	2	"	"	1	"	
3	Flood	N by W	N "by E.	2	29.92	69	65	56	2	c	cumu-mul	9	"	
4	"	"	"	2	29.91	69	65	56	2	b.c.	"	9	"	
5		N. N. E.	"	2	29.96	70	65	56	2	b.cu.	"	1	"	
6			"	2	29.98	69	64	54	1	"	"	2	"	
7		N E "by N	"	2	29.94	69	64	54	0	"	"	2	"	
8			"	2	29.92	69	64	54	2	"	"	2	"	
9	Ebb	N. N. E.	"	1	29.96	69	64	54	1	"	"	1	"	
10	"	N by E.	"	1	29.99	68	64	54	1	b.c.	cir-cumu	5	"	
11	"		"	1	29.97	68	64	54	0	"	"	1	"	
Mid.	"	N Ebb W	"	1	29.97	67	64	54	0	"	"	5	"	

under the command of Commander T. F. Jewell, U. S. Navy,

Friday September 3d, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Partly clear. Pleasant. Gentle to moderate breeze from West to Bay W. At 1. changed course to E.S.E. with Yoke 2d bearing N.E. by E. (p.c.). At 2.15 changed course to E. by S. & took in royals, set fore topmast staysail, main trysail & spanker. At 3.06 changed course to E. 3/4 N. Lost sight of Yoke 2d at 3.45. Moderate sea. Ship steady. At end of watch in course E. 3/4 S. under steam & plain sail to topgallant sails.

From 4 to 8 A.M. Wm. Stoggall Ensign U.S.N.

Generally clear & pleasant. Gentle breeze from N. by W. First half, then from N.E. At 6. took in & furled all sail. At 5.15 sighted Nagasaki Light from aleft. Changed course to E.N.E. E. P.L. 28. At daylight sighted land ahead & on both bows. At 5.52 changed course to E.N.E. P.L. 28 & at 6.08 to N.E. by E. E. P.L. 37 at end of watch light-boat . at 7.01 Iwo Sima Light-boat (p.c.) E.N.E. Nitzuse Rocky S. 7/8 E.

From 8 A.M. to Meridian A. F. Jewell Lieut U.S.N.

Fair & pleasant weather. Gentle breeze from N.E. & E. Calm last hour. Steaming in for Nagasaki Japan. At 8.55 called all hands bring ship to anchor, and at 9.27 came to with starboard chain. Moored ship to 5 fms on each chain. Bearings of anchorage Derrick (Steam factory) (p.c.) W. 3/4 N. Tang Ogade Point (p.c.) S.W. 7/8 S. The Consdg Officer called officially upon Rear Admiral Chandler U.S.N. Comdg U.S. Naval Force on Asiatic Station. Lieut-Com Craig U.S.N. Comdg U.S.S. "Palos" paid an official visit to this ship. Received U.S. Mail on board. Passed Asst Engineer J.K. Barton U.S.N. was this day detached from this ship & ordered to report for duty on board the U.S.S. "Palos." Hauled fires in boilers Nos 2, 4, 5, 6, & 8, and started fires in Nos 1 & 3 for condensing. Draft of ship 13' 8" & 15' 4".

From Meridian to 4 P.M. T. J. Toomey Ensign U.S.N.

Cloudy. Calm & light breeze from N. by E. Commanding Officers of two Japanese men-of-war paid official visit to the ship. Carpenter's Gang at work caulking seams abaft mizzen chains. Passed Asst Engineer Lewis U.S.N. reported for duty on board this vessel. Coming to flood at 2.00.

From 4 to 8 P.M. H. A. Lewis Naval Cadet U.S.N.

Cloudy weather. Gentle breeze from N. by E. Hazy around horizon. Flood tide. Distilling.

From 8 P.M. to Midnight T. J. Toomey Ensign U.S.N.

Fair & pleasant. Light airs from N. by E. Ebb tide.

H. A. Lewis Naval Cadet U.S.N.

Examined and found to be correct.

A. B. Galloway Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by E.	North	1			29.96	68	68	66		b.c.	cir-cumu	4	0
2				North	"	1			29.96	68	68	66		"	"	4	"
3				"	"	1			29.95	64	64	66		"	"	4	"
4				"	"	1			29.95	64	64	66		"	"	4	"
5				N. by E.	N" E.	1			29.96	64	64	66		"	str	4	"
6				"	"	1			29.96	64	64	65		"	"	4	"
7				North	"	1			30.03	64	68	65		"	"	8	"
8				N E by N.	"	1			30.03	60	68	65		"	"	8	"
9				North	N by E.	2			30.05	52	49	64		"	"	4	"
10				"	N"	2			30.05	43	42	68		"	"	4	"
11				N" by E	North	2			30.05	45	43	69		"	"	2	"
Noon.				N. by E.	"	2			30.05	50	44	69		"	"	4	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at Noon, 1800 "

Coal consumed during the preceding 24 hours, 1 tons 230 lbs.

Coal remaining on hand at Noon, 29 " 1166 "

P. M.																	
1				North	North	2			30.03	64	65	64		b.c.	cir-cumu	4	0
2				N by W	"	3			30.01	64	64	65	64	"	"	5	"
3				"	"	3			30.01	64	64	64	62	"	"	5	"
4				"	"	3			30.01	64	64	65	64	"	"	4	"
5				North	"	3			30.02	64	64	64	60	"	"	5	"
6				"	"	3			30.01	62	62	62	68	"	"	4	"
7				"		2			30.02	62	62	64	68	"	"	3	"
8				N E" by N	N" E.	2			30.02	62	62	64	68	"	"	3	"
9				North	N. N. E.	1			30.02	64	64	64	68	"	"	3	"
10				"	"	1			30.03	64	62	64	64	"	"	3	"
11				N" by E.	"	1			30.02	64	62	64	64	"	"	3	"
Mid.				North	"	1			30.02	64	62	64	64	"	"	4	"

under the command of Commander T. F. Jewett, U. S. Navy,
Saturday October 1st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Noted A.M.

From 4 to 8 A.M.
Clear and pleasant. Light airs from N. E. Clear hawse. Distilling.
A. C. Saunderstone
Ensign U.S.N.

From 8 A.M. to Meridian
Clear and pleasant. Light breeze from North and N by E. At 10:15 Command Officer left ship to make official calls. Received official visit from Captain Wm. Wheeler, U.S.N. Commdg U.S.F.S. "Brooklyn". Flagship made signal 10 which was answered and executed. Lieutenant T. B. M. Mason reported for duty on board this vessel. Clear hawse. Distilling.
F. A. Levis
Naval Cadet U.S.N.

From Meridian to 4 P.M.
Partly clear with cir cumu clouds. Bright and pleasant. Light to gentle breeze from North. No tidal current. At noon Flagship made 224 0. Piped down, aired bedding. Received in Medical Dept 5 gs Quinine, 10 yds Flannel, 108¾ yds Muslin. Distilling.
A. C. Saunderstone
Ensign U.S.N.

From 4 to 8 P.M.
Partly cloudy with cir cumu clouds. Light N by E breeze shifting to N.E. last hour. Distilling.
F. A. Levis
Naval Cadet U.S.N.

From 8 P.M. to Midnight
Partly clear with cir cumu clouds. Bright moonlight latter part. Light airs from N. N.E. No tides. Clear hawse. Distilling.
A. C. Saunderstone
Ensign U.S.N.

Examined and found to be correct.

W. D. Galloway Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.				North	N N E.	1			30.06	1/2	69	66		b c	cir cumu	2	1
1				"	"	1			30.06	1/2	69	66		"	"	2	"
2				"	"	1			30.06	1/2	69	66		"	"	2	"
3				N" E.	"	1			30.06	1/2	69	66		"	"	2	"
4				N by E.	"	1			30.06	69	69	66		"	"	2	"
5				N N E.	"	2			30.06	69	68	66		"	"	1	"
6				North	N" E.	2			30.06	68	68	65		"	"	1	"
7				N E by N.	N E.	2			30.08	69	64	66		"	"	3	"
8				N by E.	E N E.	3			30.11	1/2	68	68		"	"	3	"
9					N E.	2			30.11	1/2	1/2	1/2	69	"	"	5	"
10				N N E.	"	2			30.11	1/2	64	1/2	1/2	"	Str	5	"
11				N E by N.	"	2			30.10	1/2	64	1/2	1/2	"	"	4	"
Noon.				"	"	2			30.08	1/2	64	1/2	1/2	"	"	1	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1 300 "

Water remaining on hand fit for use at Noon, 32 000 "

Coal consumed during the preceding 24 hours, 2 tons 600 lbs.

Coal remaining on hand at Noon, 27 " 566 "

P. M.																	
1				N by E.	N E.	2			30.02	1/2	64	52	1/2	b c	cir cumu	1	1
2				N E by N.	"	2			30.06	1/2	64	52	1/2	"	"	2	"
3				"	"	2			30.05	1/2	64	62	1/2	"	"	0	"
4				"	N" E.	2			30.05	1/2	64	62	1/2	"	"	3	"
5				"	N E by E.	3			30.02	1/2	64	62	1/2	"	cir cumu	4	"
6						3			30.03	1/2	1/2	1/2	1/2	"	"	3	"
7				N N E.	N. N. E.	3			30.03	1/2	1/2	1/2	69	"	"	3	"
8				N E by N.	N E.	3			30.03	1/2	1/2	1/2	69	"	"	3	"
9				"	"	2			30.04	1/2	1/2	1/2	68	"	"	5	"
10				"	"	2			30.02	1/2	1/2	1/2	64	"	"	4	"
11				N" by E.	"	1			30.03	1/2	1/2	1/2	68	"	"	4	"
Mid.				"	"	1			30.03	1/2	64	1/2	68	"	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,
Sunday October 2d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unfits 4 A.M.
Partly clear, bright moonlight. Light airs from N.N.E. Clear hawse. Distilling.

From 4 to 8 A.M. W.B. Hoggatt Ensign U.S.N.
Cloudy. Light to gentle breze from N.W. & E. Flag ship made time & 3 gun signal 6 cummeral 12 also 4 3 cummeral 4 P.M. Clear hawse. Distilling.

From 8 A.M. to Meridian H.A. Lewis Coal Cadet U.S.N.
Partly clear, with cir. cumm. & str. clouds. Pleasant. Light breze from N.E. No tidal current. At 9.30 Comd'g Officer inspected ship's crew at quarters. Held Funeral Muster & Published Articles of War. Held Divine Service. Sent liberty party ashore. Clear hawse. Distilling. Held Medical Survey on Wm. Smith, Sea, who was condemned & recommended for transfer to U.S. Naval Hospital, Yokohama.

From Meridian to 4 P.M. A.C. Poundstone Ensign U.S.N.
Generally cloudy. Light airs from N.E. Distilling. Clear hawse.

From 4 to 8 P.M. W.B. Hoggatt Ensign U.S.N.
Partly clear with cir cumm clouds. Bright moonlight latter part. Gentle breze from N.E by E. to N.N.E. Stopped distilling at 6 P.M. and hauled fires. No tidal current. Clear hawse.

From 8 P.M. to Midnight A.C. Poundstone Ensign U.S.N.
Partly clear. Pleasant. Light airs & breze from N.E. Clear hawse.

W.B. Hoggatt Ensign U.S.N.

Examined and found to be correct.

Geo. B. K. Mason.
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head											cir cumu		
1				N by E	E N E.	1			30.01	70	70	68		b c	cth	6	S
2				"	"	1			30.01	69	69	67		"	"	6	"
3				North	"	1			30.01	68	68	66		"	"	8	"
4				"	N E	1			29.98	68	68	66		"	cumu	9	"
5				"	"	1			30.01	68	68	67		"	"	9	"
6				N E	"	1			30.01	69	68	67		b cumu	"	8	"
7				N by E	"	1			30.02	70	69	67		"	cir cumu	7	"
8				N E by N	"	1			30.02	72	71	68		"	"	7	"
9				N N E	N E by E	2			30.02	73	72	69		b c	"	9	"
10				N E by N	N E	2			29.99	75	74	70		b	cumu	10	"
11				North	North	2			29.99	76	75	71		"	"	10	"
Noon.				North	North	2			29.99	77	76	72		"	"	10	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 400 gallons.

Water Distilled during the preceding 24 hours, 450 "

Water remaining on hand fit for use at Noon, 2250 "

Coal consumed during the preceding 24 hours, tons 1120 lbs.

Coal remaining on hand at Noon, 26 " 1686 "

P. M.									
1	N by E	N E.	1	29.96	78	74	72	b cumu	S
2	N E by N		2	29.94	79	78	73	" "	10 "
3	N N E	N N E.	2	29.98	82	78	74	" "	10 "
4	North	"	2	29.98	82	79	74	" "	10 "
5	N by E	"	2	29.94	79	78	73	b c cumu	8 "
6	N by E	"	2	29.98	77	76	72	" "	8 "
7	N N E		2	29.92	75	76	72	b cumu	10 "
8	N by E	E N E	2	29.92	76	74	72	" "	10 "
9		N N E	2	29.94	75	75	72	" "	10 "
10	N N E	"	3	29.98	74	73	69	" "	10 "
11		"	3	29.98	74	73	69	" "	10 "
Mid.	N E by N	"	3	29.98	73	72	69	" "	10 "

under the command of Commander T. T. Jewell, U. S. Navy,

Monday October 3d, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A. M.

Clear and pleasant. Bright moonlight. Light airs from N. E. and E. N. E. Gen Lannee. J. Denton Sea, returned on board drunk, attempted to smuggle liquor and assaulted the Corporal of the Guard. He was placed in double irons to await further action of the Commander.

A. T. Jewell
Lieut U. S. N.

From 4 to 8 A. M.

Generally clear with light cumu and cir-cumu clouds. Bright moonlight 1st part. Light N. E. airs. Hazy, after 1st hour. No tidal current. Liberty party returned. Gen Lannee.

A. T. Jewell
Lieut U. S. N.

From 8 A. M. to Meridian.

Clear, bright and pleasant. Light breeze from N. E. by E. to North. At 9.30 exercised crew at quarters. Exercised 1st and 2d Divs at Stations, Marines, Boxing and Fencing. The following named men were absent without leave Jos O'Neil, Lds. R. Doyle C. Mr, O. Rose Sa. 1 C. J. Daley Lds. Wm Branigan C. Mr. C. Sorensen, C. Mr, W. P. Murray, B. Mr, J. H. Bateman, P. M, J. F. Emery, P. M and Jos Mowatt, P. M. Tested electrical apparatus and found it in good condition. At 11 exercised the fire quarters. Board of Survey on articles in Equipment Construction, Navigation and Ordnance Departments consisting of Lieuts Long and Holmes and Ensign Borgeuer met, at 10.30. Clear Lannee. Overhauled Gun cotton and found it in good condition.

Ensign U. S. N.

From Meridian to 4 P. M.

Clear and warm. Light breeze from N. E. and N. N. E. O Rose Sa. 1 C. and W. P. Murray, B M, returned on board drunk and were placed under sentry's charge. C. Sorensen, C. Mr, returned drunk and disorderly and was placed in double irons, the three cases to await further action by the Commander. Clear Lannee. Sent rewards of ten yen for the following named men: Jos O'Neil, Lds, R. Doyle, C Mr; J. Daley, Lds; Wm Branigan, C. Mr; C. Sorensen, C Mr; and Private Bateman, Emery and Mowatt.

A. T. Jewell
Lieut U. S. N.

From 4 to 8 P. M.

Clear bright and pleasant. Light breeze from N. N. E. and E. N. E. Rested crew at quarters at 5 P. M. Absent without leave Jos O'Neil, Lds, R. Doyle, C Mr, and J. H. Bateman, Jos Mowatt and J. F. Emery, Privates. By order of Ens'g Officer placed W. J. H. Young, Sa. 1 C, under sentry's charge to sober he being found drunk on duty on board ship, also released W. P. Murray, Boiler Maker, he having become sober. Clear Lannee.

Ensign U. S. N.

From 8 P. M. to Midnight

Clear and pleasant. Bright moonlight. Gentle breeze from N. N. E. J. Doyle C. Mr returned from leave drunk and was placed under sentry's charge to await further action of the Commander. Clear Lannee.

A. T. Jewell
Lieut U. S. N.

Examined and found to be correct.

Theo. B. McMason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. E. by N.	N. E.	2			29.95	73	72	69		b.	cum.	10	S
2				North	"	2			29.94	73	72	69		"	"	10	"
3				N. by W.	"	2			29.94	71	72	68		"	"	10	"
4				"	"	2			29.95	70	70	68		"	"	10	"
5				N. by E.	N. N. E.	2			29.93	69	69	68		"	"	10	"
6				North	"	2			29.95	69	69	68		"	"	10	"
7				"	N. by E.	2			29.96	74	68	64		"	"	10	"
8				"	"	2			29.96	74	68	64		"	"	10	"
9				N. N. E.	"	2			29.96	74	68	64		b. c.	cir.	10	"
10				N. E.	N. E.	3			29.96	76	74	69		"	"	10	"
11				"	"	3			29.94	76	74	69		"	"	10	"
Noon.				"	East	4			29.93	74	75	75		"	"	10	"

Course and distance made good since preceding noon by observations; knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 23550 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 26 " 1286 "

P. M.																	
1				N. E.	N. E.	3			29.95	72	72	65	71	b. c.	cu. cum.	9	S
2				N. E. by N.	"	3			29.93	72	72	66	71	"	"	9	"
3				N. E.	"	3+			29.92	72	72	66	71	b.	cum.	10	"
4				N. E. by N.	"	3			29.90	72	72	66	71	"	"	10	"
5				"	N. E. by N.	3			29.92	72	72	66	70	"	"	10	"
6				"	"	3			29.88	72	66	65	70	"	"	10	"
7				N. N. E.	"	1			29.88	72	65	65	70	"	"	10	"
8				N. by E.	"	1			29.88	70	67	67	70	"	"	10	"
9				"	"	1			29.90	70	65	65	70	b. c.	cir.	8	"
10				North	"	1			29.90	70	65	65	70	"	cumulus	2	"
11				"	"	1			29.90	70	65	64	70	b. c.	"	2	"
Mid.				N. by W.	North	1			29.90	70	64	63	70	"	"	2	"

under the command of Commander T. T. Jewett, U. S. Navy,
Tuesday October 4th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at A.M.
Clear & pleasant weather. Bright starlight. Light breeze from N.E. Ans. Hawse.
T. J. Sooms
Ensign U.S.N.

From 4 to 8 A.M.
Clear bright & pleasant. Light breeze N by E. to N.E. By order of the Comd'g Officer released C. Foremen, C. to & O. Cox, P.A.C. from the Gutrie's Charge, they being sober. At 4 P.M. Flag ship made signal Convoy C. Clear Hawse.
W. B. Hoggatt
Ensign U.S.N.

From 8. A.M. to Meridian
Clear, hazy & pleasant. Gentle breeze from N by E & N.E. Hawse clear. Commander Thos. T. Jewett left the ship on leave of absence until 5th inst. At 9 A.M. landed Marines at Drydock, as per order from flagship. At 9 A.M. exercised and inspected battalion (landing party) equipped in heavy marching order. At 10 A.M. received signal from flagship to land battalion at Drydock. Followed motions of flag ship & landed in light marching order without the Artillery. At 12 M. battalion returned on board.
Wm. D. Galloway
Lieut U.S.N.

From Meridian to 4 P.M.
Clear & pleasant. Gentle breeze from N.E. Clear hawse.
T. J. Sooms
Ensign U.S.N.

From 4 to 8 P.M.
Clear & pleasant. Light to gentle breeze from N.E by N. At sundown mustered at quarters & found the following men absent without leave: J. Grigg, C. to P. M. Schreiber, Ord. J. Otis, 2d & Private Guard Wash. Clear Hawse. Bent chain.
A. F. Devereux
Lieut U.S.N.

From 8. P.M. to Midnight
Clear first part, clouding over last part. Lightning from E by N. Clear hawse.
T. J. Sooms
Ensign U.S.N.

Examined and found to be correct.
Thos. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1				N by E.	N E.	2			29.90	72	72	70		b.c.	cir cumu	3	fog
2					North	1			29.90	72	71	70		b.c.	cumu	0	1
3				N N E.		1			29.89	71	72	70		b.c.	cir cumu	7	1
4				"	N E.	1			29.88	71	71	70		"	"	6	1
5				"	"	1			29.88	71	70	70		"	"	2	1
6				N by E.	"	1			29.90	71	70	70		"	Strs	2	1
7				N N W.		1			29.90	73	71	70		"	cir cumu	5	"
8				"	E N E.	1			29.90	75	73	72		"	"	6	"
9				North		1			29.90	76	74	73		"	"	9	"
10				N by W.	N by W.	1			29.91	76	75	73		"	cir cumu Strs	9	"
11				North	"	1			29.91	78	76	75		"	"	5	"
Noon.				"	"	1			29.89	79	77	74		"	cir cumu	4	1

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 409 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1959 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 101 " 1446 "

P. M.										
1		North	North	1	29.88	80	78	75	b.c. cir cumu	4 fog
2		N E.	S S E.	1	29.88	79	78	75	" "	2 "
3		N E by E.								
4		N N E.	E by S E.	2	29.88	78	77	75	" "	9 1
5		N E by N.		2	29.88	77	76	74	p.c. "	0 1
6		North	N E.	2	29.86	76	76	74	" "	0 "
7		N W.	North	2	29.80	76	75	75	" "	0 "
8		N by E.	"	1	29.88	76	75	75	" "	0 "
9		"	"	1	29.88	74	74	75	" "	0 "
10		"	"	1	29.88	74	74	75	" "	0 "
11		North	"	1	29.88	74	74	74	" "	0 "
Mid.		N N E.	"	1	29.88	74	73	74	" "	0 "

under the command of Commander T. F. Jewett, U. S. Navy,

Wednesday October 5th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M. Cloudy first part: clear last part. Light airs from North to N.E. Clear hazy.

From 4 hrs. 8 A.M. W.A. Lewis Coal Cadet U.S.N.

Generally cloudy and hazy. Light airs from N.E. and E.N.E. Coal came alongside during watch. Began coaling at 6 30 Clear hazy. Received on board 136 lbs fresh beef & vegetables 101 lbs fresh bread. At end of watch had taken on board forty seven tons of coal.

From 8 A.M. to Meridian. A.T. Fleming Lieut U.S.N.

Fair and hazy weather. Light airs from N. by W. at 8. finished coaling ship having received in all 475 560/2240 tons. By order of Executive Officer released R. Doyle, C. Hy. from sentry's charge and by same authority confined J. J. McKenna P.C. 1C, on two days bread & water for drunkenness on duty. The U.S. Counsular Marshal brought on board Pat Hoey of U.S.M.C. and was paid the reward of ten (10) Dols. Placed Pat Hoey U.S.M.C. under sentry charge.

F. J. Boomer

From Meridian to 4 P.M. Ensign U.S.N.

Cloudy with passing showers this hour. Light airs from North shifting S.S.E. and then to E.S.E. Barometer steady. Sent liberty party on shore at 1.00. Clear hazy.

From 8. P.M. to Midnight. W.A. Lewis Coal Cadet U.S.N.

Overcast, cloudy and rainy. Light breeze from E.S.E. first half gradually hauling to N.E. and North. P. Buttrey P.A.2.C. came on board drunk and 9½ hrs overtime. By order of Executive Officer placed him under sentrys charge. Clear hazy. Received in Navigators Dept 120 gallons Lamp Oil.

F. J. Boomer

Ensign U.S.N.

From 8. P.M. to Midnight.

Overcast and cloudy with steady heavy rain. Light N'ly air. Clear hazy.

W.A. Lewis
Coal Cadet U.S.N.

Examined and found to be correct.

Theo. B. M. Mason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.																	
1				N. E by N.	N. E.	1			29.84	1/4	1/4	1/3	1/4	o. cr.	cumb	9	9
2				N. N. E.	"	1			29.86	1/4	1/4	1/3	1/4	"	"	9	"
3				"	"	1			29.85	1/4	1/4	1/3	1/4	"	"	9	"
4				N. E by N	"	1			29.85	1/4	1/4	1/3	1/3	"	"	9	"
5				N. N. E.	"	2			29.82	1/3	1/2	1/3		"	"	9	1
6				N. E by N	"	2			29.82	1/3	1/2	1/3		"	"	9	1
7				N. E.	E. N. E.	2			29.83	1/2	1/2	1/3		"	"	9	"
8				N. E by E.	East	2			29.82	1/2	1/1	1/2		b. c. p.	cumb	1	"
9				N. E by N.	S. W.	2			29.84	1/3	1/2	1/2		o. cr.	"	9	"
10				N. N. E.	Calm	0			29.83	1/4	1/1	1/3		"	"	9	"
11				N. by E.	"	0			29.83	1/3	1/2	1/3		"	"	9	"
Noon.				"	N. N. E.	1			29.82	1/3	1/2	1/3		"	"	9	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 409 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1559 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 101 " 1046 "

P. M.													
1			N by E.	North	1	29.81	1/3	2/3	2/2	o. cr.	cumb	9	9
2			North	N by W	1	29.79	1/2	2/3	2/2	"	"	9	"
3			N E by N	"	1	29.79	1/2	2/2	2/1	"	"	9	"
4			N. E.	"	1	29.79	1/2	2/1	1/2	"	"	9	"
5			N by W	"	1	29.79	1/2	2/1	1/2	"	cumb	9	"
6			N. N. E.	North	1	29.79	1/2	2/1	1/2	"	"	9	"
7			N by W	N. N. E.	1	29.79	1/2	2/1	1/2	"	"	9	"
8			North	"	1	29.79	1/2	2/1	1/2	"	"	9	"
9			N W.	Calm	0	29.79	1/2	2/1	1/2	"	"	1	"
10			N by E.		0	29.79	1/2	2/1	1/2	"	"	1	"
11			N E by N	N. E by E.	1	29.79	1/2	2/1	1/2	"	"	0	"
Mid.			N. N. E.	"	1	29.79	1/2	2/1	1/2	"	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday October 6th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast with cumulus clouds. Continual heavy rain. Light airs from N.E. No tide. Clear hawse.

A. Farnestone
Ensign U.S.N.

From 4 to 8 A.M.

Overcast with heavy rain. Light breez from N.E. veering to East last hour. Barometer stationary. Liberty party returned.

F. Toomey
Ensign U.S.N.

From 8 A.M. to Meridian.

Overcast with steady heavy rain. Light breez from S.W. first hour then calm until last hour when light air came out from N.N.E. At 9: made signal 32 & 1. Answered. At 10: of a Genal Court Martial convened on board. A Russian Government Steamer came in & anchored. P.E. Kendrick, W.T. was brought on board in a drunken condition & was placed under sentrys charge by order of Cond'g Officer. Expended in Ordnance Department one 10 lbs charge and bag. Clear hawse.

W.G. Lewis
Acting Cadet U.S.N.

From Meridian to 4 P.M.

Overcast with cumulus and cumulo. clouds. Continual heavy rain. Light airs from North and N. by W. At 1 P.M. General Court Martial met pursuant to recess. Court adjourned at 3 P.M. to meet at 10 A.M. Oct. 7th at 2 P.M. Stated fires in boilers 1 and 3 for distilling. No tidal current. Clear hawse. Sent liberty party on shore.

A. Farnestone
Ensign U.S.N.

From 4 to 8 P.M.

Overcast with heavy steady rain. Light airs from N. by E. to N.N.E. Barometer steady. At 6: began distilling into tanks. Mr. Fitzgerald 2d, A Seaman, Mehts, and J. Swan, O. Sea, returned from liberty 36 hrs overtime, and the two latter were placed under sentrys charge by order of Cond'g Officer. J. F. Jerrity, Apr. returned from liberty 12 hours overtime and was placed under sentrys charge by order of Cond'g Officer. Clear hawse.

F.A. Lewis
Acting Cadet U.S.N.

From 8 P.M. to Midnight

Overcast with cumulus clouds. Continued heavy rain. Calm 1st hour. Light airs from N.E. by E. afterwards. Clear hawse & distilling.

A. Farnestone
Ensign U.S.N.

Examined and found to be correct.

Theo. B. M. Mason
First Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by E.	N. E.	1			29.41	72	72	72		b.c.r.	cum. & cumi.	9	S
2				N N. E.	"	1			29.42	72	72	72		"	"	9	"
3				N. E by E.	"	1			29.42	72	72	72		"	"	9	"
4				N. E. by N.	"	1			29.42	72	72	72		"	"	9	"
5				North "	N. N. E.	1			29.42	72	72	72		"	cumulus	9	"
6				N. N. E.	N. " E.	1			29.43	72	72	72		"	"	9	"
7				N. N. E.	N. by E.	1			29.42	69	72	72		"	"	9	"
8				North	N. by E.	1			29.42	68	69	68		"	"	0	"
9				N. N. E.	N. N. E.	2			29.43	69	68	68		"	"	0	"
10				"	"	2			29.42	70	68	69		"	cumulus	0	"
11				"	N. E.	2			29.49	70	69	69		"	cumulus	0	"
Noon.				"	N. E.	2			29.68	70	69	69		"	"	0	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 440 gallons.

Water distilled during the preceding 24 hours, 1550 "

Water remaining on hand fit for use at Noon, 9200 "

Coal consumed during the preceding 24 hours, 1 tons 800 lbs.

Coal remaining on hand at Noon, 100 " 246 "

P. M.														
1			N. E. by N.	N. N. E.	1		29.65	72	69	69	b.c.r.	cum. & cumi.	4	S
2			N. E.	"	1		29.64	72	69	69	b.c.r.	"	9	"
3			North	"	1		29.63	72	68	68	"	"	9	"
4			N. N. E.	N. by E.	1		29.63	72	69	69	"	cumulus	9	"
5			"	"	2		29.58	72	69	69	"	"	9	"
6			"	"	2+		29.56	70	69	69	b.c.r.	cum. & cumi.	2	"
7			N. by E.	"	3+		29.53	72	69	69	b.c.r.g.	"	0	"
8			"	"	2+		29.53	72	69	69	b.c.g.	"	9	"
9			N. N. E.	N. N. E.	4		29.52	72	69	69	"	"	9	"
10			"	"	4		29.52	72	69	69	b.c.g.	"	2	"
11			N. by E.	"	4		29.52	72	68	68	"	"	2	"
Mid.			N. N. E.	"	4		29.59	71	70	69	"	"	3	"

under the command of Commander T. F. Jewell, U. S. Navy,

Friday October 8th, 1858.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unites H. & A. M.

Overcast & raining. Light airs from N. E. Distilling. Clear house.

W. B. Hoggatt
Ensign U. S. N.

From H. to 8 A. M.

Overcast with steady rain. Light air from N. E. Released the following men from sentry's charge, viz, A. Spain, Mchst. T. E. Kendrick, Clerk, J. Gordon, O. Sea, & J. F. Garrity, Pa. 2. C. Received in Pay Dept. 26 lbs each of fresh beef & vegetables & 101 lbs bread. Clear house. Distilling.

A. A. Lewis
Asst. Surgeon U. S. N.

From 8 A. M. to Meridian.

Overcast with cumulo nimbus clouds. Continuous rain, heavy at times. Light breeze from N. N. E. shifting to N. E. last hour. No tidal current. Placed R. Day & C. Hoy, under sentry charge to await action on a report against them at 9:30 A. M. went to quarters for inspection, after which Drilled as follows. - 1st Division Single Sticks 2nd Division Small Arms, 3d Machine Guns, Howitzers, Rifles, Powder Stations. Made G. C. Martial signal 3 at 9 A. M. G. C. Martial met on board at 10½ A. M. & rendered one II 100 charge, boy & Division Primer Cor. Skinner P. M. & P. J. Buchanan Pa. 2. C. were brought on board by Lt. T. Rootes, rewards having been offered for their delivery on board. Placed W. L. Skinner P. M. under sentry charge, by order of Comd'g Officer for being Drunk. Released J. J. McKenna Pa. 2. C. the time for which he was confined having expired. Clear house. Distilling.

T. C. Pope
Ensign U. S. N.

From Meridian to 4 P. M.

Overcast with steady rain. Light airs from N. by E. & N. N. E. At 2:32 Flagship made signal 6 1 4 9. Sent down T. Gr. Masts & Yards at 12:25 G. C. M. adjourned to await action of revising authority. Flagship made signal 3 3 18 at 2:37. Made signal Int 4 5 8 of at 2:47 Answered 9 at. Shipped Distilling & landed fires from boilers 1 & 3. Clear house.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 P. M.

Generally overcast with cumulo nimbus clouds. Raining this last hour. Occasional moderate squalls latter part. Light to stiff breeze from N. by E. Very threatening appearances at sunset. Barometer falling. No tide. Clear house. Russian Government vessel left the harbor.

T. C. Pope
Ensign U. S. N.

From 8 P. M. to Midnight.

Generally cloudy. Squally. Moderate breeze with frequent fresh squalls from N. N. E. Evans Tailor, returned from Brooklyn Drunk & by order of Comd'g Officer was put under sentry's charge to sober. Clear house.

W. B. Hoggatt
Ensign U. S. N.

Examined and found to be correct.

Theo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1				N. E. by N.	N. E. by N.	4			29.51	71	69	64		b. c.	cir-cumu	2	9
2				N. E.	"	4			29.55	72	72	69		"	"	2	"
3				N. N. E.	"	4			29.54	72	72	69		"	"	9	"
4				N. by E.	"	4			29.64	72	72	69		"	cumu	10	"
5				North	N. by E.	2			29.68	72	72	70		"	cir-cumu	3	"
6				"	"	3			29.71	72	72	70		"	"	3	"
7				"	"	2			29.79	72	73	70		"	"	3	"
8				"	"	2			29.83	72	73	70		"	"	4	"
9				"	N. N. E.	2			29.86	72	73	70		"	"	7	"
10				"	North	2			29.88	72	73	72		"	"	8	"
11				"	"	3			29.89	72	73	70		"	"	8	"
Noon.				"	"	4			29.89	72	73	71		"	"	8	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at Noon, 2400 "

Coal consumed during the preceding 24 hours, tons 720 lbs.

Coal remaining on hand at Noon, 99 " 1766 "

P. M.											
1	North	North	3	29.89	71	71	71	b. c.	cumu	9	9
2	"	"	3	29.91	75	74	71	"	"	9	"
3	"	"	3	29.94	75	74	71	"	"	9	"
4	N. by E.	"	3	29.96	75	75	72	"	"	9	"
5	N. N. W.	"	1	30.00	76	75	72	"	"	9	"
6	N. W.	"	1	29.98	76	73	71	"	"	9	"
7	"	N. by E.	1	30.00	74	72	70	b	cumu	10	"
8	N. by E.	"	1	30.00	73	71	70	"	"	10	"
9	N. N. E.	"	1	30.01	72	70	69	"	"	10	"
10	N. by E.	N. N. E.	1	30.04	71	69	68	"	"	10	"
11	N. N. E.	"	1	30.00	70	68	64	"	"	10	"
Mid.	N. by E.	"	1	30.02	69	64		"	"	10	"

under the command of Commander T. T. Jewett, U. S. Navy,
Saturday October 8th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.
Clear & pleasant. Moderate breze from N. E. & N. Bright moonlight. Clear hawse.
C.A.F. Hogan
Lieut U.S.N.

From 4 to 8 A.M.
Partly clear with cir. cum. clouds. Light to gentle breze from N. by E. One French & one Russian Cruiser came in. at 4 hs. Flag ship made preparatory 5 & 6 & at 7 hs. General signal 5 & 6. Crossed T. G. Yards & loosed sail. Ke a bowline.
W. C. Young Jr.
Ensign U.S.N.

From 8 A.M. to Meridian.
Generally clear, pleasant. Light to moderate breze from North & N.N.E. At 8. 10, called all hands to muster & read sentence of G.C.M. in the case of Thomas Denton, Sea, serving on board this vessel, sentenced to be confined on board the U.S.S. Essex in single irons while in port until an opportunity occurs to send him to the United States when he shall be sent & there confined, at hard labor, in such place, as the Honorable Secretary of the Navy may designate for a period of one (1) year, to lose all pay that may become due him during said period of confinement except two (2) Dollars per month for necessary prison expenses & the sum of twenty five (25) Dollars to be paid him, at the expiration of his confinement total loss of pay amounting to two hundred and thirty eight ($238.00) Dollars & at the expiration of said confinement to be, dishonorably discharged from the Naval Service of the United States" By order of Comdr in Chief transferred Thomas Denton, Sea. G.C.M. Prisoner. W.H. Chambers Ga. 1. C; Robt Robertson, Ga. 1. C; L. Dowling, C & C. Jas Donnell, Ga. 1. C & F.C. Zimmerman Ga. 1. C. to the U.S.S. Palos. Received 4 boys from Pay Dept. Flagship made signal 10 1/2 at 10.06. Aired bedding. at 10.30 Flagship made 5955. Shortened sail. Clear hawse.
W.B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.
Clear & pleasant. Gentle breze from North. At 1. Flagship made signal 48 & 6. Furled sail. at 1.30 Flagship made signal 22 & 8. Ships keg and bedding. Sent to Palos condemned articles in Construction, Equipment, Navigation & Ordnance & Stores. Clear hawse. Shipped for cruise Landsman John Jobson
C.A.F. Hogan
Lieut U.S.N.

From 4 to 8 P.M.
Clear & bright. Light airs from North & N by E. Received visit from Comdg Officer of French Corvette "Penaud". Mustered crew at quarters at 5 1/2 5. All present. Clear hawse.
W.B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight
Clear & pleasant. Light airs from N.N.E. & E. Clear hawse.
C.A.F. Hogan
Lieut U.S.N.

Examined and found to be correct.
Geo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ship's Head													
1				N. by E.	North	1			30.01	66	66	66		b.	cirro	10	0
2				"	"	1			30.01	66	65	65		"	"	10	"
3				"	"	1			30.02	65	64	64		"	"	10	"
4				"	"	1			30.02	65	64	64		"	"	10	"
5				"	"	1			30.00	64	62	62		"	"	10	"
6				N. N. E.	N. E.	2			30.02	64	61	61		"	"	10	"
7				"	"	2			30.04	62	61	60		"	"	10	"
8				North	"	2			30.05	64	63	62		"	"	10	"
9				N. E. by N.	"	2			30.06	69	67	64		b. o.	cir-str.	8	"
10				N. N. E.	Calm	0			30.06	69	69	68		"	cir-cum.	9	"
11				N. W. by W.	"	0			30.05	72	70	69		"	"	9	"
Noon.				S. W.	S. W.	1			30.05	70	72	71		"	"	8	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2300 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 99 " 566 "

P. M.																	
1				S. W.	S. S. W.	1			30.02	46	44	42		b. o.	cir-cum.	6	0
2				W. by S.	"	1			30.00	46	42	42		"	"	6	"
3				W. by N.	"	1			30.00	44	46	42		"	"	6	"
4				W. N. W.	W. N. W.	1			30.00	44	46	43		"	cum.	9	"
5				N. W. by W.	"	1			30.01	48	44	45		"	"	9	"
6				W. by N.	Calm	0			29.99	44	44	43		b.	cir-cum.	10	"
7				N. W.	"	0			29.98	42	42	41		"	"	10	"
8				"	"	0			29.98	41	41	40		"	"	10	"
9				"	N. N. W.	1			29.97	69	41	69		"	"	10	"
10				N. W. by W.	Calm	0			29.95	69	69	69		"	"	10	"
11				N. by W.	"	0			29.96	68	68	68		b. o.	cir-cum.	9	"
Mid.				North	North	1			29.94	68	68	68		"	"	6	"

under the command of Commander T. F. Jewell, U. S. Navy,

Sunday October 9th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unties A.M.

Clear, cool and pleasant. Light airs from North. Clear Hawse.

T J Boomer
Ensign U S N

From 4 to 8 A.M.

Clear and bright. Light airs and hazy from North and E. at 5.30 Flagship signals Convoy 14 vessels, 21 Geographical 43. Clear, hawse.

W.B. Reed
Ensign

From 8 A.M. to Meridian.

Clear and warm. Calm and light variable airs. At 9 a.m. Comdg Officer inspected ship with crew at quarters. By order of Comdg Officer, placed L. Doyle, C.H., in double irons for five days for leaving ship without permission. Transferred to U.S.S. Pabst 6 Torpedoes, C.Hs. Clear hawse. Commanding Officer made official calls on French and Russian Gunboats. By order of Comdg Officer J. Hyde, Jr. was detached

C.A.F. Richards
Lieut U S N

From Meridian to 4 P.M.

Clear, warm and pleasant weather. Light airs from S.E. Clear hawse.

T J Boomer
Ensign U S N

From 4 to 8 P.M.

Clear and pleasant. Calm and light airs from N.E. Clear hawse. at 6. a clergyman from shore held Divine Service on berth deck

C.A.F. Richards
Lieut U S N

From 8 P.M. to Midnight

Clear and pleasant weather. Light variable airs generally from North and calms. Clear hawse.

T J Boomer
Ensign U S N

Examined and found to be correct.

Geo. B. M. Maxon.
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.				North	North	1			29.94	68	68	68		bcu	cir-cum	3	9
1				"	"	1			29.95	68	68	64		"	"	4	"
2				"	"	1			29.95	64	68	64		"	"	6	"
3				"	"	1			29.95	64	66	66		bcf	"	8	"
4				"	"	1			29.94	66	66	65		"	cum	9	"
5				N by E	Calm	0			29.94	65	65	64		"	"	9	"
6				N N W	"	0			29.96	65	65	64		"	"	8	"
7				N N W	"	0			29.96	64	66	65		"	"	0	"
8				N W by N	"	0			29.98	64	69	64		bcu	cir-cum	9	"
9				W by N	West	1			30.02	64	64	64		bc	"	9	"
10				W by W	"	2			30.02	64	64	64		"	"	9	"
11				W by S	"	2			30.01	64	64	64		"	"	9	"
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1900 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 99 " 166 "

P. M.											
1	W. S W	West	2	29.94	64	64	64	bc	cirrus	9	9
2	West	"	2	29.94	64	64	62	"	"	9	"
3	W by N	"	2	29.94	64	64	62	"	"	9	"
4	West	"	2	29.94	64	64	63	"	"	9	"
5	W N W	W N W	1	29.94	64	64	64	"	"	8	"
6	N	"	1	29.94	64	64	63	"	"	2	"
7	North	"	1	29.94	64	64	61	bc	nms	10	"
8	N by W	"	1	29.94	63	69	69	"	"	10	"
9	N	"	1	29.98	69	64	64	"	"	10	"
10	North	E N E	1	29.98	68	64	64	"	"	10	"
11	N N W	N E	2	29.98	64	66	66	"	"	10	"
Mid.	"	"	2	29.98	66	65	64	"	"	10	"

under the command of Commander J. F. Green, U. S. Navy,

Monday October 10th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A. M.

Partly cloudy. Light airs. Barometer steady. Ships heave.

From 4 to 8 A. M.

D. A. Lewis
Acting Cadet U. S. N.

Clear and calm. Hazy around horizon. Ships heave.

From 8 A. M. to Meridian.

A. F. Newton
Lieut U. S. N.

Clear, warm and pleasant. Hazy around horizon. Calm first hour, light airs from West remainder of watch. At 9.30 mustered at quarters and inspected clothing. Tested magazine and shell room flood cocks. Examined dry gun-cotton electrical apparatus and found all in good condition. The following were overtime W. C. Reilly, W. Tobe, C. Tarpey, P.M., J. Hiley, P.M., H. Lee, P.M. and A. Hansen, 2 C. F.

F. J. Boomer
Ensign U. S. N.

From Meridian to 4 P. M.

Clear and pleasant. Light-variable breeze. Sent liberty party on shore at 1.45. English man-of-war Eurotas came in and anchored at 1.20 and fired a salute of 13 guns U. S. Ensign, at the fore. Salute returned gun for gun by Flagship.

From 4 to 8 P. M.

D. A. Lewis
Acting Cadet U. S. N.

Clear and pleasant weather. Light airs from W. to N. at 6. mustered at quarters and found same men absent as at morning inspection. By order of Comdg Officer placed ah Ling, Ls, under sentry's charge for creating a disturbance.

From 8 P. M. to Midnight

F. J. Boomer
Ensign U. S. N.

Clear and pleasant. Light airs to light breeze from N. and E. Bright starlight. Moon rose at 11.45. J. Reiley, P.M. was brought off groggy 40 hours overtime.

D. A. Lewis
Acting Cadet U. S. N.

Examined and found to be correct.

Theo. B. M. Mason.
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by E.	East	1			29.97	64	63	64		8	none	10	0
2				North	"	1			29.97	64	63	64		"	"	10	"
3				N by W.	"	1			29.96	64	64	64		"	"	10	"
4				N by E.	"	1			29.98	63	63	63		"	"	10	"
5				"	"	1			30.00	63	62	63		"	"	10	"
6				North	N N E	1			30.00	63	62	63		bc	cum	9	"
7				N by E.	"	1			30.01	63	62	63		bc	cum	8	"
8				North	"	1			30.03	64	65	63		"	"	6	"
9				N. W	"	1			30.03	69	68	65		bc	"	5	"
10				"	East	1			30.04	42	40	69		"	"	4	"
11				"	"	1			30.05	42	43	42		"	"	4	"
Noon.				S W	S S W	1			30.05	44	43	42		"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1500 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 98 " 2006 "

P. M.														
1			W by S	W S W	1			30.04	52	42	bc	cir cum	5	0
2			S W by W	S W by W	1			30.03	52	42	"	"	5	"
3			"	"	1			30.03	46	42	"	"	4	"
4			"	"	1			30.04	46	42	"	"	2	"
5			W S W	"	1			30.05	44	41	"	"	3	"
6			N N W	N N E	1			30.04	43	40	"	"	2	"
7			N by E	"	1			30.03	41	40	"	"	2	"
8			N N E	"	1			30.05	40	68	"	"	8	"
9			"	"	1			30.05	69	68	"	"	8	"
10			N N W	"	2			30.04	68	68	"	"	8	"
11			North	"	2			30.06	68	68	"	"	8	"
Mid.			N N E	"	1			30.06	68	68	"	"	7	"

under the command of Commander, T. F. Jewell, U. S. Navy,

Tuesday October 11th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Clear, bright & cold with moon showing entire watch. Light airs from East. At 1st. tide. Called away, hands. A Hansen, 2C F, came on board, 18th hour, ended same.

H. C. Poundstone
Ensign U.S.N.

From 4 to 8 A.M.

Clear, cool & pleasant. Light airs from N.N.E. By order of Comd'g Officer, placed J. Williams B.M. under restrip charge to rebate up. Received in Pay Dept 118 lbs each of fresh beef & vegetables and 10 lbs bread. At 6.30 Flagship made II Sig's, II Sig's, 4.

F. J. Loomis
Ensign U.S.N.

From 8 A.M. to Meridian

Partly cloudy. Pleasant. Light airs from N.N.E & East, shifting to S & SW last hour. At 9.30 went to quarters & then sent infantry company on shore for company drill. Comd'g Offr left ship to make official visits. A. Read Bs, and P. Tolpey, P.M. were brought off to the ship the former, 28 hrs overtime, the latter 4 hrs overtime. Rewards of ten yen each were paid for their delivery on board. P. Tolpey, PM, was placed under restrip charge to rebate up by order of Comd'g Officer.

Naval Cadet
From Meridian to 4 P.M. U.S.N.

Partly clear with cir-cumu-lo clouds. Pleasant. Light airs from W.S.W & S.W. by W. At 1st tide current. Clear, hands. Quarterly Board of Survey condemned and recommended to be thrown overboard, meat, can Corned Beef, put up by Libby, McNeil & Libby of Chicago, and one 2 lb can of vegetables put up by Cutting Packing Co. of San Francisco. Boat returned from Fleet Paymaster J. E. Tolpey, pay 30th 1881. U.S.S. "Dolphin" came in & saluted fort & flag of Rear Admiral Chandler, both of which salutes were returned gun for gun. Shifted clean hammocks. Sent liberty party on shore.

H. C. Poundstone
Ensign U.S.N.

From 4 to 8 P.M.

Partly cloudy. Pleasant. Light airs from N.N.E. Released P. Tolpey, from restrip charge by order of Comd'g Officer. At sunset, furled top gallant masts in accordance with signal from flagship. Clear, hands.

Naval Cadet
From 8 P.M. to Midnight U.S.N.

Partly clear, with cir-cumu clouds. Cold. Light airs to breez from N.N.E. 1st tidal current. Clear, hands.

H. C. Poundstone
Ensign U.S.N.

Examined and found to be correct.

Geo. B. McMason
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.				North	North	2			30.05	69	64	64		b.c. cir-cum		4	S
1						2			30.05	69	64	64		"	"	4	"
2				N. N. E.	"	2			30.04	69	69	69		"	"	4	"
3				"	"	2			30.04	69	69	68		"	"	8	"
4				"	"	1			30.04	69	68	69		"	"	4	"
5				"	N. N. E.	2			30.04	68	68	69		"	"	2	"
6				N. by E.	"	2			30.10	69	68	69		"	"	3	"
7				"	"	2			30.12	70	68	69		"	"	3	"
8				N. by W.	Calm	0			30.13	71	70	69		"	"	2	"
9				N. by E.	"	0			30.15	71	70	69		o.c.	cir-cum	3	"
10				North	"	0			30.15	71	70	70		"	"	0	"
11				W. N. W.	N. N. W.	1			30.14	71	70	70		"	"	0	"
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1100 "

Coal consumed during the preceding 24 hours, tons 880 lbs.

Coal remaining on hand at Noon, 98 " 1126 "

P. M.																	
1				North	N. N. E.	2			30.13	71	70	70		o.c. cum	cir-rus	0	S
2				N. by W.	N. by E.	2			30.11	71	70	70		"	"	0	"
3				"	"	2			30.11	70	70	70		o.c.	"	0	"
4				North	"	2			30.10	69	69	69		"	"	0	"
5				"	"	2			30.12	69	68	68		o.c.	"	0	"
6				"	"	2			30.11	69	68	68		b.c.	cir-cum str-rus	3	"
7				N. by E.	"	1			30.11	70	69	68		"	cir-cum rus	3	"
8				N. N. E.	Calm	0			30.12	70	69	69		"	"	3	"
9					"	0			30.14	70	69	69		"	cir-cum	4	"
10				North	"	0			30.15	70	69	69		"	"	2	"
11				N. N. W.	"	0			30.15	69	69	69		"	"	5	"
Mid.				"	"	0			30.14	69	69	69		"	"	7	"

under the command of Commander T. F. Jewell, U. S. Navy,
Wednesday October 12th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Partly clod. Light breez from North. Clear, hazy.

From 4 to 8 A.M. W.B. Hoggatt Ensign U.S.N.
Cloudy and cool. Light breez from N.N.E. At 5. Flagship made Preparatory 6 49. Answered. Fidded topgallant masts and crossed topsail yards. Liberty party, all returned. Clear, hazy.

From 8 A.M. to Meridian F.A. Lewis Asst Cadet U.S.N.
Partly clod with cir. cumu. clouds first hour. Overcast cloudy and rainy afterwards with cumulus clouds. Calm the last hour, when light airs came out from N.N.W. Hauled at quarters after which Drilled 1st 2nd and 3rd Divisions at Great Guns and Marines Infantry. Received in Pay Dept from U.S.F.S. Brooklyn 50 undershirts and 50 drawers and in Ord'n Dept, 5 Gals Turpentine 2 8" Sheepskin Sponges and 6 lbs Beeswax. Boy ordered by Duty Officer, released At Sing, Lds, the terms for which he was confined having expired.

From Meridian to 4 P.M. H. Poundstone Ensign U.S.N.
Overcast and cloudy with rain last part. Light breez from N by E. At 1.10 called away all boats armed and equipped for distant service, Overhauled boat boxes. Captain Kempff R.N. Commanding H.B.M.S. "Constance" paid official visit to the Duty Officer.

From 4 to 8 P.M. W.B. Hoggatt Ensign U.S.N.
Cloudy with occasional blue sky showing. Drizzling rain 1st hour. Light airs to breez from N by E. till last hour, when calm. Received in Navigation Dept, 10 lbs Caustic Soda. Clear, hazy. No tide current.

From 8 P.M. to Midnight H. Poundstone Ensign U.S.N.
Partly clear. Calm. Clear, hazy.

W.B. Hoggatt Ensign U.S.N.

Examined and found to be correct.

Geo. B. McMason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1				North	North	2			30.12	68	68	68		b. c.	cir cum	3	9
2				"	"	2			30.11	69	68	68		"	"	3	"
3				"	"	2			30.11	69	68	68		"	"	2	"
4				"	"	2			30.11	69	68	68		b. c.	cum	2	"
5				"	"	1			30.12	70	69	69		b. cum	"	4	"
6				N. E by N.	N. E by N.	1			30.14	70	70	69		"	cir cum	3	"
7				N by E.	"	1			30.14	70	70	69		"	"	6	"
8				N. N. E.	"	1			30.15	71	70	69		"	"	7	"
9				N by E.	North	2			30.20	73	72	71		b. c.	"	7	"
10				North	"	2			30.18	76	74	72		"	cir cum	8	"
11				N by E.	N. N. E.	2			30.18	76	76	73		"	"	8	"
Noon.				"	N. E by E.	2			30.17	78	74	73		"	"	8	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2100 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 98 " 726 "

P. M.									
1	N. E.	N. N. E.	2	30.15	72	72	72	b. c. cir cum	8	9
2			2	30.14	72	72	72	"	8	"
3	N. N. E.	"	2	30.14	80	72	72	"	4	"
4	N. E.	N. E.	2	30.14	80	72	72	"	6	"
5	North	N. N. E.	2	30.14	72	72	72	"	8	"
6	N by W		2	30.14	72	67	67	"	8	"
7	North	N. by E.	1	30.15	72	67	67	"	8	"
8			1	30.16	72	72	72	"	8	"
9	N. N. E.	North	1	30.16	72	73	72	b	rne	10	"
10	North	"	1	30.17	72	72	72	"	"	10	"
11	N by E.	"	2	30.17	73	72	70	"	"	10	"
Mid.	N by W	"	2	30.16	72	71	68	"	"	10	"

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday October 13th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.

Cool & generally cloudy. Light breeze from North. Clear hawse

C.A.F. Jewell

Lieut U.S.N

From 4 to 8 A.M.

Partly clear with cumulus cumulo stratus clouds. Hazy. Light airs from North & N.E. by N. No tidal current. Clear hawse. Received in Pay Dept for issue to crew, 118 3/4 lbs each fresh beef & vegetables & 95 lbs fresh bread.

A. Pinkstone

Ensign U.S.N

From 8 A.M. to Meridian

Clear & pleasant. Light breeze from North to N.E. by E. At 9. Rear Admiral R. Chandler U.S.N. Comdg U.S. Naval Forces on Asiatic Station accompanied by Personal Staff came on board to inspect ship & crew. Received him at quarters. After inspection cleared ship for action, beat to general quarters, secured from general quarters went to fire quarters, afterwards inspected battalion then exercised divisions & secured ship. Clear hawse.

W.B. Hoggatt

Ensign U.S.N

From Meridian to 4 P.M.

Clear & pleasant. Light breeze from N.N.E. & N.E. At 1.05 equipped all boats for distant service & sent them alongside the Flagship, where they were inspected. This finished the inspection. Requested permission to start fires in new boilers for distilling & hoisted the fires at 2. Hoisted sailing launch. Clear hawse.

C.A.F. Jewell

Lieut U.S.N

From 4 to 8 P.M.

Clear bright & pleasant. Light breeze & airs from N.N.E. & N. by E. Commenced distilling. Clear hawse.

W.B. Hoggatt

Ensign U.S.N

From 8 P.M. to Midnight

Clear & cool. Light airs from North. Distilling. Clear hawse

C.A.F. Jewell

Lieut U.S.N

Examined and found to be correct.

Thos B.M. Mason

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1				North	North	1			30.15	71	70	69		b	nine	10	g
2				N. N. E.	"	1			30.15	71	69	69		"	"	10	"
3				North	"	1			30.15	71	69	68		"	"	10	"
4				"	"	1			30.14	71	69	68		"	"	10	"
5				"	"	2			30.15	68	64	64		"	"	10	"
6				"	N. N. E.	2			30.15	68	64	64		b.c.	cirrus	8	"
7				N by E.	"	2			30.17	69	64	64		"	"	8	"
8				North	North	2			30.18	70	69	69		"	"	8	"
9				N by E.	N by E.	1			30.20	73	72	71		"	cirro	2	"
10				N E.	"	1			30.19	75	73	71		"	cirrus	6	"
11				N E by N	N E by N	1			30.18	76	75	71		"	"	5	"
Noon.				North	"	1			30.17	79	76	73		"	"	5	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1800 "

Water remaining on hand fit for use at Noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons 800 lbs.

Coal remaining on hand at Noon, 96 " 2166 "

P. M.																	
1					North	East	1			30.10	76	74	73	b.c.	cirrus	5	g
2					N E.	"	1			30.13	76	74	73	"	"	2	"
3					N E by E	"	1			30.12	74	73	72	"	"	1	"
4					N N E.	"	1			30.12	74	73	76	73	"	"	1	"
5					North	N N E.	1			30.10	74	73	74	73	b.c.	cumulus	0	"
6					"	"	1			30.10	75	73	73	"	"	0	"
7					"	"	2			30.10	74	73	72	"	"	0	"
8					"	North	2			30.10	75	74	71	"	"	0	"
9					N by E	"	1			30.08	73	71	70	b.cu.	"	2	"
10					"	"	1			30.08	72	71	70	b.c.	cirrus	5	"
11					"	"	1			30.08	72	71	70	"	"	5	"
Mid.					N N E.	"	1			30.08	72	71	70	"	"	6	"

under the command of Commander T. F. Jewell, U. S. Navy,

Friday October 14th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A. M.

Clear & pleasant weather. Light airs from West. Lying at Key West.

T. F. Jewell
Comdr U. S. N.

From 4 to 8 A. M.

Clear & pleasant. Light breezes from North to N. by E. Clear. Lying at Key West. Received in Pay Dept for issue to crew 118 3/4 lbs each of fresh beef & vegetables & soft bread.

W. Watson
Ensign U. S. N.

From 8 A. M. to Meridian

Weather pleasant. Partially cloudy. Light breezes from N. by E. & N. E. by N. Clear. Lying at Key West. At 8 to made Int signal 5 to 5. Flagship answered. Got under way & proceeded out of the harbor. At 9.10 hoisted sail to the southward. At 10.25 made Int signal 5 to 5. Flagship answered. Got Stations & sail. Received on board in Equipt & Ordnance Dept the following stores: 25 lbs 12 thread Hawse, 15 lbs 4 yarn Spun Yarn, 20 Hickory Brooms, 12 Scrub Brushes, 6 lbs Twine, 40 lbs Canvas, 100 lbs White Lead, 56 lbs White Line, 12 lbs French Yellow, 28 lbs Red Lead, 2 lbs Sugar Lead Dried, 10 lbs Whiting, 3 1/2 Gals Alcohol, 5 Gals Linseed Oil, 5 Gals Turpentine, 3 Boat Hooks, 100 ft White Line, 50 ft 1" Cable, 62 1/2 ft Cable, 60 ft 1 1/2" Cable, 20 ft 3" Cable, 132 ft Cable, 2 Fathoms 2 1/2" Hawse. In Pay Dept: 801 lbs Pork, 300 lbs Beef, 40 lbs Dried Fruit, 1381 lbs Butter, 550 lbs Canned Meat, 218 1/2 lbs Flour, 8 Ebls Beans, 500 lbs Sugar, 40 lbs Canned Vegetables, 120 lbs Tomatoes.

A. F. Feehrer
Lieut U. S. N.

From Meridian to 4 P. M.

Cloudy. Light airs from East. Received in Pay Dept: 500 lbs Biscuits, 40 lbs Flour, 16 3/4 Gals Beans, 81 Gals Peas, 150 lbs Dried Fruit, 120 lbs Butter, 85 lbs Tomatoes, 100 lbs Suet, 600 lbs Coffee, 112 lbs Tea, 150 lbs Sugar, 650 lbs Pickles, Molasses 81 Gals, 81 Gals Vinegar, 600 lbs Rice & numerous articles in Medical Dept. Clear hawse. Recd. in Pay Dept Yen 6300.

T. F. Jewell
Comdr U. S. N.

From 4 to 8 P. M.

Overcast & cloudy. Light airs from N. by E. Clear. Lying at Key West. Received in Pay Dept, 500 lbs Stock.

A. F. Feehrer
Lieut U. S. N.

From 8 P. M. to Midnight

Fair, cool & pleasant weather. Light airs from North. Clear hawse.

T. F. Jewell
Comdr U. S. N.

Examined and found to be correct.

Thos. B. McMason.
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1				North	North	1			30.15	71	70	69		☾	Cirrus	10	☾
2				N. N. E.	"	1			30.15	71	69	69		"	"	10	"
3				North	"	1			30.15	71	69	68		"	"	10	"
4				"	"	1			30.14	71	69	68		"	"	10	"
5				"	"	2			30.15	68	64	64		"	"	10	"
6				"	N. N. E.	2			30.15	68	64	64		b. c.	cirrocum	8	"
7				N. by E.	"	2			30.17	69	64	64		"	"	8	"
8				North	North	2			30.18	70	69	69		"	"	8	"
9				N. by E.	N. by E.	1			30.20	73	72	71		"	Cirro	4	"
10				N. E.	"	1			30.19	75	73	71		"	cirrocum	6	"
11				N. E. by N.	N. E. by N.	1			30.18	76	75	71		"	"	5	"
Noon.				North	"	1			30.17	78	76	73		"		5	

Course and distance made good

Position at Noon: Latitude / Longitude

Position at 8 a. m.: Latitude / Longitude

Position at 8 P. M.: Latitude / Longitude

Current during the time,

Variation of the Compass by

Variation of the Compass by

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1800 "

Water remaining on hand fit for use at Noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons 800 lbs.

Coal remaining on hand at Noon, 96 " 2166 "

P. M.							
1	North	East	1	30.10	b. c.	cirrocum	5
2	N. E.	"	1	30.13	"	"	2
3	N. E. by E.	"	1	30.12	"	"	1
4	N. N. E.	"	1	30.12	"	"	1
5	North	N. N. E.	1	30.10	b. c.	cumulus	0
6	"	"	1	30.10	"	"	0
7	"	"	2	30.10	"	"	0
8	"	North	2	30.10	"	"	0
9	N. by E.	"	1	30.08	h. cu.	"	2
10	"	"	1	30.08	b. c.	cirrocum	5
11	"	"	1	30.08	"	"	5
Mid.	N. N. E.	"	1	30.08	"	"	6

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. E by N.	N. N. E.	1			30.08	72/3	72	72	1	b.c.	cir cum.	4	9
2				N by E.	"	1			30.08	72	72	72	1	"	"	4	"
3				North	"	1			30.06	72	71	72	0	"	"	3	"
4				N. W. by N.	North	1			30.06	72	72	72	1	"	"	3	"
5				North	"	1			30.08	72	72	72	1	f.c.	"	0	"
6				"	N. N. E.	1			30.08	72	72	71	0	"	"	0	"
7				N. by W.	"	1			30.09	72	72	71	0	"	"	0	"
8				N. E by N.	East	1			30.09	72	73	72	1	"	cum	0	"
9				N by E.	N. E.	2			30.11	72	72	72	1	"	cum Strat	0	"
10				"	"	2			30.11	72	73	72	1	"	"	0	"
11				"	"	2			30.12	72	73	72	2	"	"	0	"
Noon.				"	"	2			30.12	72	74	73	2	"	"	0	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 2 tons gallons.

Water Distilled during the preceding 24 hours, 1 300 "

Water remaining on hand fit for use at Noon, 30 " "

Coal consumed during the preceding 24 hours, 1 tons 560 lbs.

Coal remaining on hand at Noon, 131 " 1606 "

P. M.													
1			North	N by E.	2	30.08	72	72	72	3	f.c. cum Strat	0	9
2			N. by W.	"	2	30.07	72	72	72	3	"	0	"
3			North	"	2	30.06	72	72	72	3	"	0	"
4				"	2	30.06	72	72	72	3	"	0	"
5			N. N. W.	"	1	30.05	72	72	72	3	"	0	"
6				"	1	30.03	72	72	72	3	"	0	"
7			North	"	1	30.03	72	72	72	3	"	0	"
8			"	"	1	30.04	72	72	72	3	f.c.	0	"
9			"	North	1	30.04	72	73	72	3	"	0	"
10			N. by E.	"	1	30.08	72	72	72	2	"	0	"
11				"	2	30.04	71	71	71	2	"	0	"
Mid.			N. E.	N. N. E.	2	30.04	71	71	71	1	"	0	"

under the command of Commander F. F. Jewell, U. S. Navy,
Saturday October 15th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Cutter & A M
Partly cloudy with circum clouds. Light airs from N. to E.
Clear Lawse.
F. A. Lloyd
Acting Asst Engr U. S. N

From 4 to 8 A M
Overcast and cloudy. Light airs from N. to E. to East. Commander F. F. Jewell, U. S. N. returned from leave. Distilling.
C. A. F. Scoggins
Lieut U. S. N

From 8 A M to Meridian
Overcast and cloudy. Light breeze from N. E. Rose off 80 fms 4" manila rope for cat falls 60 fms 2¾" Manila rope for main topsail sheet 66 fms 2¾" manila rope for main topsail clewlines and 40 fms 2¾" manila rope for main top gallant halliards. Received in Equipt & Supl 25 lbs Marline and 5 lbs Houseline. Draft of ship 14.4" forward and 16.6" aft. Finished coaling ship having received on deck in all 36 tons.
F. M. Soomis
Engineer U. S. N.

From Meridian to 4 P M
Overcast and cloudy. Light breeze from N. by E. Receiving sea stores on board for Wardroom and Steerage Messes. Distilling. Shipped for the cruise as Boy Wm Chapman and Ah Kel
F. A. Lloyd
Acting Asst Engr U. S. N

From 4 to 8 P M
Overcast and cloudy. Light airs from N. by E. Cast Lawse at 5:30 stopped distilling and banked fires.
F. M. Soomis
Engineer U. S. N

From 8 P M to Midnight
Overcast and rainy. Light air to light breeze from N. At 8:30 Flagship made general call in Corps night signals and had a spell at signalling. Cast Lawse. Expended in Cast Dept 2 Green and 1 Red Corps Signals
F. A. Lloyd
Naval Asst Engr U. S. N

Examined and found to be correct.
Theo. B. M. Mason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by E	Calm	0			30.06	70	70	71		o c r.	cum Vinds	0	S
2				North	N by E.	1			30.06	70	70	70		"	"	0	"
3				"	"	1			30.05	70	70	70		o c.	"	0	"
4				N N W	"	1			30.05	70	70	70		o c.	"	0	"
5				N by W	"	1			30.04	69	69	70		o c.	"	0	"
6				North	"	1			30.04	69	69	70		"	"	0	"
7				"	"	1			30.06	69	68	69		"	"	0	"
8				"	"	1			30.06	70	69	70		t c.	cum cum	3	"
9				"	N N E	1			30.07	71	70	71		"	"	2	"
10				"	"	1			30.07	73	72	72		"	"	4	"
11				N by E	"	1			30.07	75	73	72		"	"	4	"
Noon.				North	"	1			30.06	76	75	72		"	"	5	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at Noon, 2400 "

Coal consumed during the preceding 24 hours, 1 tons 160 lbs.

Coal remaining on hand at Noon, 130 " 1446 "

P. M.												
1	N by W	North	1	30.04	72	72	73	b. cu. cu-nim	6	S
2	N W by N.	"	2	30.03	72	72	72	"	"	6	"
3	N W	"	2	30.04	71	67	73	"	"	6	"
4	N by W	"	2	30.03	72	72	72	"	"	6	"
5	"	"	2	30.03	72	72	72	"	"	6	"
6	"	"	2	30.02	72	72	72	"	"	6	"
7	North	"	2	30.02	72	72	71	"	"	6	"
8	"	"	2	30.02	72	72	71	"	"	6	"
9	N by E	"	2	30.04	72	72	71	o c. cu-nim	"	0	"
10	"	"	2	30.06	72	71	70	b. cu.	"	3	"
11	North	"	2	30.06	71	70	69	"	"	3	"
Mid.	N E by N.	"	2	30.05	71	70	69	"	"	1	"

under the command of Commander T. F. Jewell, U. S. Navy,

Sunday October 16th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, with cumulus clouds. Raining first part. Light, variable showers last hours. Calm 1st hours. Light breeze from N by E afterwards. No tidal current. Clear harbor.

N. C. Tomlinson
Ensign U.S.N.

From 4 to 8 A.M.

Overcast. Cloudy with drizzling rain. Light airs from N by E. Received on Port Depot for issue to crew 118 lbs each of beef, vegetables, 95 lbs of bread.

P. T. Toomey
Ensign U.S.N.

From 8 A.M. to Meridian.

Partly cloudy with cirro cumulus clouds. Light airs from N.N.E. Held Divine Service at 10.10. Received official visit from Comdg Officer of U.S.S. "Sapphire". At 9.30 Comdg Officer inspected ship with crew at quarters. Clear harbor.

F. A. Levis
Naval Cadet U.S.N.

From Meridian to 4 P.M.

Partly clear. Hazy. Cloudy cirro cumulus. Bright & warm. Light airs to breeze from North. No tidal current. Clear harbor. A French gunboat came in & anchored. Quarterly Board of Survey condemned 116 lbs 14 ozs of bread & flour (received from U.S.S.F.S. "Brooklyn" (no marks) & recommended them to be thrown overboard. Started Distilling.

N. C. Tomlinson
Ensign U.S.N.

From 4 to 8 P.M.

Partly cloudy. Pleasant. Light breeze from N.E. Preparing ship for sea. A Kanaka, 26 F was brought on board by Master at Arms 12 hours overtime. Clear harbor. Distilling.

F. A. Levis
Naval Cadet U.S.N.

From 8 P.M. to Midnight.

Generally cloudy. Overcast 1st hour. Hazy. Clouds cumulus. Light airs from South. No tidal current. Clear harbor. Stopped Distilling at 9.10 & banked fires.

N. C. Tomlinson
Ensign U.S.N.

Examined and found to be correct.

Theo. B. M. Mason.
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Nagasaki

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				N. E by N.	North	1			30.05	74	70	69		fg	cumu	1	S
1				N by E.	"	1			30.06	74	70	68		"	"	1	"
2				North	"	2			30.04	74	69	68		bc	"	0	"
3				"	"	2			30.03	74	69	68		"	"	0	"
4				"	"	2			30.02	69	69	68		"	cir. cumu	0	"
5				"	East	2			30.02	69	69	68		bcu	cir cumu	3	"
6				N. by W	"	2			30.02	69	69	68		"	"	4	"
7				W by N.	N by E	2			30.02	69	69	68		bc	cir. cumu	4	"
8				S.W.	S.E. by E.	1			30.09	74	73	71	69	"	"	2	"
9	5	4	60.4	S.W. by S.	S.E.	1			30.09	74	74	72	69	"	"	8	"
10	5	9	64.9	S by W.	N. E.	1			30.07	74	73	72	69	"	"	8	"
11	8	3	76.2	"	"	4			30.09	74	72	70	69	"	"	8	"
Noon.	8	6	84.8	"	"	3			30.02	74	73	72	71	"	"	8	N

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ Bearings N 32 ° 17 ' "
- Longitude by chronometer from Forenoon Observations of ⊙ " E 129 ° 38 ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by D. R. N 31 ° 39 ' "
- Longitude by D. R. E 129 ° 46 ' "

Current during the time, knots tenths per hour, setting to the N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head N.E ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " N.E ° ' "

Variation of the Compass by Azimuth ⊙ observed at " N.E ° ' "

Variation of the Compass by Azimuth ⊙ observed at " N.E ° ' "

Water expended during the preceding 24 hours, 1400 gallons.

Water distilled during the preceding 24 hours, 500 "

Water remaining on hand fit for use at Noon, 2800 "

Coal consumed during the preceding 24 hours, 3 tons 1280 lbs.

Coal remaining on hand at Noon, 127 " 166 "

P. M.														
1	4	9	92.4	S by W	S.E.	2		30.04	74	74	72	71	bc	cir cumu	8	S
2	2	1	94.8	S. by W	"	2		30.02	74	74	73	71	"	"	8	"
3	2	1	96.4	"	"	1		30.01	74	75	73	72	"	"	2	"
4	0	6	6.0	S. by E.	"	1		30.01	74	76	74	73	"	"	2	"
5	6	9	12.9	S. by E.	N. E.	1		30.01	74	76	74	73	"	"	2	"
6	4	0	19.0	South	S. E. by S.	1		30.02	74	76	74	73	bcu	cir	2	"
7	6	4	25.4	"	S. E. by E.	1		30.01	74	75	74	73	"	"	2	"
8	6	9	32.6	S. E. by E.	S. E. by E.	1		30.02	74	75	74	74	"	"	2	"
9	6	8	39.4	"	"	1		30.03	74	75	75	74	"	"	2	"
10	4	4	44.6	S. E. by S.	S. E.	1		30.02	74	76	75	73	"	"	2	"
11	6	5	52.5	"	"	2		30.02	76	75	73	72	"	"	2	"
Mid.	6	3	58.8	"	"	0		30.01	74	74	72	72	"	"	2	"
	6	2	65.1	"	East	3		30.01	74	74	74	72	"	"	2	"

Sq N° 1033 Lat 31°20' Long E 130°

under the command of Commander T. F. Jewell, U. S. Navy,
Monday October 17th, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Employed as required.

Cloudy, Light airs & breezy from North. at 2. transferred fires from boilers 1 & 3 to 5, 6, 7 & 8 & banked them.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 A. M.

Fair, hazy & pleasant. Light airs from North. at 5h moored ship, hove in to 15 fms on starboard chain. Made other preparations for sea. at 5h 4m signaled (A. S. C. Code) Permission to unmoor ship. Flagship answered 425. at 6h signaled Int 4892. Flagship answered Yes. at 7h got underway and stood out of harbor, bound Officers at the Guns. at 7h 30m stood course for W. by N. Set main trysail & fore topmast staysail. Secured starboard anchor for sea. At end of watch on course, steam alone, four boilers. Draft fwd 5" aft 16' 6".

E. D. Galloway
Lieut U. S. N.

From 8 A. M. to Meridian

Clear & pleasant. Light airs from S by E. first hours, then light to moderate breeze from N. E. at 8h 45m sent down topgallant yards. At 8h 15m took departure. Ship Siena Lt bearing E 3/4 S, Katzuri Rock S 5 E. Set course S W by S & took departure. Pt. reading 55. at 9h 12m changed course to S by W. Pt. 62. At 10h 12m set fore & aft sail. Set light sails. Crossed light yards & made all sail to royals. At 9h 30m inspected at quarters & exercised 1st, 2d, 3d & Cooks & Divisions at Stations. Inspected drill gun cotton & hoist magazine & shell room flood cocks.

L. A. Fergusson
Lieut U. S. N.

From Meridian to 4 P. M.

Generally clear, pleasant. Light breeze & airs from S. E. at 12h 45m took in & furled square sail & at 3h 35m took in fore & aft sail. Set & sounded off tide rip at 1h 45m changed course to S by W & at 3h 05m to S 1/2 E. At end of watch Takasima & Northern end of Island on port beam.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 6 P. M.

Partly clear, with cirrus & stratus clouds. Light airs from N. E. 1st hour, variable afterwards. Smooth sea, with easy swell from North. At 4h 40m changed course to South. P. L. 12 o. Kashiki Island in sight on port hand during entire watch. At 5h 05m sighted Takasima Rocks, bearing (pc) S by E 1/2 E. at 5h 15m sighted Oshima Island bearing (pc) S S W. Tide rips off S W point of Kashiki Island, showing at end of watch. Shifted course South, under steam alone. Lowest Point of Kashiki Is bearing (pc) E 1/2 S. Takasima Rocks S S E 1/4 E.

E. H. Towers
Ensign U. S. N.

From 6 to 8 P. M.

Partly clear, hazy around horizon. Light airs from S. E. by E. at 6h 15m changed course to S. E. 1/4 E. to sail ex. Steam alone. At 6h 45m took sight of Takasima bearing S S E 1/2 E. Landon port quarter. Patent log registered 39 L.

F. F. Fenner
Ensign U. S. N.

From 8 P. M. to Midnight

Fair & pleasant. Light airs from S. E. shifting to East & increasing to light breeze. Sea smooth. At 8h 05m changed course to S. E. 1/2 S. at 8h 30m Takasima bore (pc) S W by W. at 11h 45m set fore & aft sail.

E. D. Galloway
Lieut U. S. N.

Examined and found to be correct.

Theo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Caroline Islands.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	0	21.9	SE½S	East	3			30.02	74	73	73	76	b c	cum	9	g
2	2	8	23.8	E SE E	"	3			30.00	76	74	74	76	"	"	8	"
3	5	8	82.6	"	"	3			30.02	75	74	73	76	b	cum	10	"
4	3	6	88.3	" E by S E¼E	"	3			30.02	76	74	73	76	b c	cu cum	8	"
5	6	1	94.2	"	E by N E	3			30.02	74	73	73	74	"	"	8	"
6	2	5	96.7	SE ¾E	E SE E	4			30.02	74	74	74	74	b c g	cum drizzle	3	"
7	3	4	100.2	E by S	"	4			30.02	76	75	73	74	"	"	5	rough
8	2	3	8.2	E by S	"	4			30.02	76	75	73	74	"	"	5	"
9	3	4	11.1	"	"	4			30.06	76	76	75	74	"	cu cum	5	"
10	4	9	17.9	E ½S	E by S	4			30.04	78	75	74	74	b c	"	5	"
11	4	6	21.5	E SE ¾E	E SE E	4			30.08	79	77	75	74	"	"	8	"
Noon.	4	9	26.1	"	"	4			30.08	79	78	75	74	"	"	8	"
	4	4	30.8	"	"	4			30.09	80	79	75	74	"	"	8	"

Course and distance made good since preceding noon by observations Various Courses 132 knots. 8 tenths.

Position at Noon:	Latitude by D. R.		° ' "
	Longitude by D. R.		° ' "
	Latitude by ~~observations of ⊙~~ Bearings	N	30 ° 54 ' "
	Longitude by ~~chronometer from Forenoon Observations of ⊙~~	E	131 ° 08 ' "
Position at 8 a. m.	Latitude by ~~Observation~~	N	30 ° 55 ' "
	Longitude by ~~——~~	E	130 ° 45 ' "
Position at 8 P. M.	Latitude by D. R.	N	30 ° 44.3 ' "
	Longitude by D. R.	E	131 ° 33 ' "
Current during the time, knots tenths per hour, setting to the		N.	
Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head		N.	° ' "
Variation of the Compass by Amplitude ⊙ observed at Sunset, "		N.	° ' "
Variation of the Compass ~~by Azimuth ⊙ observed at~~ "		N.	° ' "
Variation of the Compass by Azimuth ⊙ observed at "			° ' "
Water expended during the preceding 24 hours,			358 gallons.
Water during the preceding 24 hours,			"
Water remaining on hand fit for use at Noon,			2450 "
Coal consumed during the preceding 24 hours,			7 tons 2050 lbs.
Coal remaining on hand at Noon,			119 " 356 "

P. M.																	
1	4	2	35.0	E SE ¾E	E SE	4			30.06	80	78	76	74	b c	cu cum	4	g
2	4	6	39.6	"	"	3			30.04	80	78	76	78	"	"	6	"
3	5	3	44.9	"	"	3			30.04	80	78	75	78	"	"	6	"
4	5	1	50.0	"	"	3			30.03	79	78	76	78	"	"	6	"
5	4	8	54.8	"	"	3			30.02	79	78	76	78	"	"	4	"
6	5	0	59.8	"	"	3			30.02	79	78	76	78	"	"	3	"
7	5	0	64.8	"	"	3			30.04	79	78	76	78	"	"	5	"
8	5	0	69.8	"	"	3			30.04	78	78	77	78	"	"	6	"
9	4	6	74.4	"	"	3			30.06	78	78	77	78	"	"	6	"
10	4	6	79.0	"	"	3			30.06	79	78	77	78	"	"	6	"
11	4	4	83.4	"	SE E	3			30.05	79	78	78	78	"	"	8	"
Mid.	4	2	87.6	"	"	3			30.06	79	78	78	79	"	"	8	"

under the command of Commander T. F. Jewell, U. S. Navy,

Tuesday, October 18th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Clear and pleasant. Gentle breeze from East. At 1:20 changed course to E. by E. Took in fore and aft sail. Sent down topgallant and royal yards. At 3:15 made Sata No Misaki Light ahead, also Light Ammon Osaki Peak bearing E. by E. At 3:30 changed course to S. E. by E 1/4 E. At 4:05 a Brilliant meteor appeared in the E. S.

L. A. Jewett
First Lieut U. S. N.

From 4 to 8 A. M.

Partly clear, pleasant, gentle to moderate breeze from E. N. E and E. by E. At 5:20 changed course to S. E. 3/4 E and at 6:35 to E by S which Sata Light House bearing (pc) N. E 1/4 N, Ships Head S. E by S distant 2 miles. Made and took in fore and aft sail as rained wound allowed. At end of watch Sata Light House bore (pc) N. W by N.

W. B. Hogg
Ensign U. S. N.

From 8 A. M. to Meridian.

Partly clear, with cirro cumulous. Bright and pleasant. Moderate breeze from E. by S. and E. Moderate sea with long swell from E. by S. to E. by N. Ship unsteady. At 8:10 changed course to E. S. E. 12.0 and at 9:20 to E by S 1/2 S. P. L 1/4 of. At 9:30 inspected crew at quarters, after which spelled 1st Div at Machine guns 2d Single Sticks, Pivot and Station and Engineers Small Arms. At 10:50 lost sight of Sata No Misaki Light House bearing (pc) W. N. W 1/2 W. Rose off mess fore T. Gibbons. At 11:30 South Point of Tsuiga Sima bore abeam (pc) S by W 1/4 W. At end of watch on course E by S 1/4 S under steam alone. Land in sight on both sides. At 12 M took departure Misaki Misaki bearing S. E distant 5 1/2 miles.

W. C. Forquer
Ensign U. S. N.

From Meridian to 4 P. M.

Partly clear with cirro clouds. Moderate breeze first hour and gentle breeze remainder of watch from E. S. E. Quarterly Board of Survey condemned by direction of Commanding Officer three overboard 2 lbs of canned Corn Beef bought at Yokohama Japan of Messrs Walsh of Yokohama. Steaming course E. S. E. and E. Patent Log registered 5, at 4 P. M.

F. Brownson
Ensign U. S. N.

From 4 to 6 P. M.

Fair warm and pleasant. Gentle breeze from E. S. E. Moderate swell from E. S. E. On course, steam alone. At 5 1/2 o'clock sight of land bearing (pc) N. N. E.

C. C. Galloway
First Lieut U. S. N.

From 6 to 8 P. M.

Partially clear and pleasant. Gentle breeze from E. S. E. Steam alone. Course E. S. E 3/4 E.

L. A. Jewett
First Lieut U. S. N.

From 8 P. M. to Midnight

Fair and pleasant. Gentle breeze from E. S. E. Moderate swell from E. S. E. Ship rolling and pitching easily. Steaming course E. S. E 3/4 E.

W. B. Hogg
Ensign U. S. N.

Examined and found to be correct.

Thos. D. H. Mason.
First Lieut U. S. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Seamaking Passage to Carolina Islands.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	9	91.5	E by E ¾ E	E by E	3-4			30.06	79	82	82	79	b	cirrus	6	
2	4	5	96.6	"	"	3-4			30.06	78	82	82	79	"	cumulus	6	"
3	4	4	100.4	"	"	3-4			30.06	79	78	82	79	b	"	6	"
4	4	6	5.0	"	"	3-4			30.05	79	78	78	79	"	"	5	"
5	4	2	9.2	"	E by E	4			30.06	79	82	82	79	"	"	6	"
6	4	5	13.7	"	"	4			30.05	79	78	82	79	"	"	4	"
7	4	6	18.3	"	"	4			30.06	79	82	82	79	b	cumulus	4	"
8	4	5	22.8	"	"	4			30.08	78	78	79	79	"	"	4	"
9	5	2	28.0	East	"	4			30.10	79	78	79	79	"	"	2	"
10	5	8	33.8	E ½ E	E	3	1		30.11	79	78	79	79	"	"	6	"
11	4	0	37.8	"	"	3	1		30.11	79	78	79	79	"	"	6	"
Noon.	4	2	41.6	"	"	3	1		30.10	79	78	79	79	"	"	3	"

Course and distance made good since preceding noon by observations, 11 7 E ½ S. knots. tenths.

Position at Noon:
- Latitude by D. R. — S 30 ° 45' 00"
- Longitude by D. R. — E 133 ° 12' 00"
- Latitude by observations of ⊙ — S 31 ° 01' 00"
- Longitude by chronometer from ~~Forenoon~~ Afternoon Observations of ⊙ — E 133 ° 05' 00"

Position at 8 a. m.
- Latitude by Observation — S 31 ° 38' 00"
- Longitude by dg — E 132 ° 022 00"

Position at 8 P. M.
- Latitude by dR — S 31 ° 18' 18"
- Longitude by dg — E 133 ° 23' 00"

Current during the time, knots 6 tenths per hour, setting to the S ½ E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — N. 9 ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — N. 9 ° ' "

Variation of the Compass ~~by Azimuth ⊙ observed at~~ " — N 9 "

Variation of the Compass by Azimuth ⊙ observed at " — N 9 ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 21 00 "

Coal consumed during the preceding 24 hours, 6 tons 560 lbs.

Coal remaining on hand at Noon, 112 " 2036 "

P. M.														
1	2	4	44.0	N. E by E ½ E	S E	3		1½	30.10	79	82	79	79	b	cirrus	9	S
2	2	5	46.5	"	"	2		1½	30.10	79	78	82	79	"	"	4	"
3	3	4	49.9	N E by E	"	2		1½	30.08	79	78	78	79	"	"	5	"
4	4	2	54.1	"	"	3		1½	30.08	78	78	78	79	"	"	8	"
5	3	0	57.1	"	"	3		1½	30.10	78	78	78	79	"	"	5	N. E
6	3	2	60.3	N E by E ½ E	"	3		1½	30.10	78	78	78	79	"	"	5	"
7	2	5	62.8	"	"	2-3		1½	30.11	78	78	78	79	b cl	cumulus	5	"
8	2	0	64.8	"	"	2		1½	30.11	78	76	78	79	b cl	"	6	"
9	1	5	66.3	E N E	"	1			30.12	78	78	78	79	"	"	4	"
10	1	3	67.6	"	"	1			30.13	78	76	76	79	b cl	"	3	"
11	1	4	68.0	"	"	1			30.15	78	76	76	79	"	"	4	"
Mid.	Steerage Log				"	1			30.10	78	76	76	79	b cl	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,

Wednesday October 19th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Enters 4 A.M.

Generally clear, bright starlight. Clouds cirri cumi cumuli joint Lassing showers 2nd and last hours. Moderate N.E by E. swell with cross sea from E.S.E. Ship uneasy. On course E. by E. 1/4 E. under steam alone.

A. Longdale
Ensign U.S.N.

From 4 to 8 A.M.

Fair. Passing showers first two hours. Moderate breeze from E.S.E by E. Moderate sea and swell from E. Ship rolling and pitching easily. Steam alone. Course E. by E. 1/4 E. Cumuli and cumulo clouds.

F. Jones
Ensign U.S.N.

From 8 A.M. to Meridian

Fair and warm. Fresh breeze from E.S.E. at 8. changed course to East and made fore and aft. sail. at 9, made plain sail to topgallant sails except mainsail and royals. at 9.30 hauled fires and screw clear propeller. Transferred fires to Kelly's 1 to 9 for distilling. at 9.30 quartered at quarters. Set mainsail. Unbent towers, chains. Moderate swell from E. Smooth sea. at end of watch fires and hands reading E. to E.

C. Galloway
Ensign U.S.N.

From Meridian to 4 P.M.

Weather pleasant. Generally cloudy. Light to fresh breeze from S.E. Boards of Line Officers placed Jas Kelly, P.M. in double irons for five days for disobedience of orders. Condemned by Board of Survey and thrown overboard, as the Dried apples. Rated the following S.A. 2 C. from Oct 20 to S.A. 1 C. R. J. Barrett, F. J. Buchanan, W. A. Cole, P. Emery, J. F. Jewett, O. Hagarty, J. F. Link, P. Ruttledge, A. Reding and L. C. Jarrett, 1 C.A. to S.A. 2 C. at 3.30 began distilling.

Lieut U.S.N.

From 4 to 6 P.M.

Fair and pleasant. Fresh breeze from E.S.E. at 5, remainder moderate, at quarters. Hands, plain sail to topgallant sails with flying jib and main trysail except mainsail. Ship pitching easily in a moderate long sea from E.S.E. Distilling.

E. W. Longdale
Ensign U.S.N.

From 6 to 8 P.M.

Partly clear. Clouds cumuli. Occasional rains and squalls. Light to fresh breeze from S.E. Light passing showers last hour. Frequent lightning to N.W. and W. Moderate sea with long swell. Ship easy. Moon set at 2.30. at end of watch under plain sail to topgallant sails (except mainsail) and flying jib. Full and by, making good about N.E. by E. 1/2 E. Distilling.

A. C. Longdale
Ensign U.S.N.

From 8 P.M. to Meridian

Fair to cloudy. Light passing showers of rain the first and last hours. Lightning around horizon. Steering fires and by E. N. Entire last hour, when no steerage way. Ship rolling and pitching moderately. Moderate sea. Distilling. Plain sail to T.G.s.

F. Jones
Ensign U.S.N.

Examined and found to be correct.

Theo. B. Mason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Carolina Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	9	9	68.9	E by E	N N W	1			30.12	72	76	76	76	bcl.	cum Vwind	9	by
2	9	2	68.2	"	N N E	1			30.12	76	76	75	76	bc	"	3	"
3	9	1	68.3	"	"	1			30.10	76	75	76	76	"	"	2	"
4	9	5		E by E	East	1			30.10	76	75	76	76	bcl	"	4	"
5	2	0		E	E by N	2			30.12	76	75	76	76	"	"	6	"
6	2	0		"	E by S	3			30.12	76	74	75	76	bc	"	5	"
7	2	5		S by W & W by S	"	3			30.10	76	75	75	76	"	cir	5	"
8	3	0	74.5	"	"	3	1		30.14	76	75	76	76	"	cus cum	5	"
9	1	4	76.2	N E by E	"	3	1 3/4		30.16	78	74	76	76	"	cum Vwind	5	by S
10	1	4	77.6	N E by E & E by S	S E	2-3	2		30.16	78	76	76	76	"	"	6	"
11	2	8	80.4	"	"	3	1 1/2		30.14	78	74	76	76	"	"	6	"
Noon.	4	5	84.9	"	"	3	1		30.14	78	74	76	76	"	"	4	"

Course and distance made good since preceding noon by observations, N E by E 45 knots. tenths.

Position at Noon:	Latitude by D. R.	N 31 ° 28 ' 18 "
	Longitude by D. R.	E 133 ° 24 ' 36 "
	Latitude by observations of ⊙	N 31 ° 34 ' 09 "
	Longitude by chronometer from Forenoon Observations of ⊙	E 133 ° 36 ' 12 "
Position at 8 a. m.	Latitude by Observation	N 31 ° 16 ' 29 "
	Longitude by "	E 133 ° 25 ' 39 "
Position at 8 P. M.	Latitude by D R	N 31 ° 28 ' 54 "
	Longitude by "	E 133 ° 32 ' 06 "
Current during the time, knots tenths per hour, setting to the		N. ly
Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head		N. 9 ° ' "
Variation of the Compass by Amplitude ⊙ observed at Sunset, "		N. 9 ° ' "
Variation of the Compass ~~by Azimuth ⊙ observed at~~ "		N. 9 ° ' "
Variation of the Compass by Azimuth ⊙ observed at "		N. 9 ° ' "
Water expended during the preceding 24 hours,		300 gallons.
Water Distilled during the preceding 24 hours,		1000 "
Water remaining on hand fit for use at Noon,		2800 "
Coal consumed during the preceding 24 hours,		1 tons 560 lbs.
Coal remaining on hand at Noon,		111 " 1476 "

P. M.																	
1	1	2	78.6	N E by E	S E by E	2	1	30.10	78	74	76	76	bc	cum Vwind	3	by S
2	1	5	78.1	N E	"	3	1	30.14	74	74	76	75	76	"	4	"
3	3	2	81.8	N N E 1/4 E	E, ast	3-4	1/2	30.10	74	74	75	76	76	"	3	"
4	5	6	87.4	N N E	"	4	1 1/2	30.16	74	74	75	76	ocgt	"	2	"
5	6	8	104.2	N by E 1/4 E	E by N	5	1 1/2	30.19	74	74	74	75	76	ocl	"	2	"
6	5	3	11.8	S by W 1/2 W	E by N	5	1 1/2	30.22	74	74	75	75	76	bcum	"	2	"
7	4	1	18.9	S by W 1/2 W	"	5	1 1/2	30.20	74	74	75	75	76	"	atc	3	"
8	2	9	21.8	N E by N	"	4	1	30.19	74	74	75	75	76	"	"	4	"
9	3	8	24.6	N N E 1/2 E	E by S	3-4	1 1/2	30.20	74	74	75	75	76	bcl	cum rain	5	"
10	3	5	31.9	"	"	3-4	1 1/2	30.22	76	75	74	74	76	"	"	6	"
11	4	2	36.2	N N E 1/4 E	"	3-4	1 1/2	30.24	76	76	74	74	76	"	"	5	"
Mid.	5	9	46.2	"	"	3-4	1 1/2	30.22	76	76	74	74	76	"	"	4	"

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday October 29th, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Until 4 A.M.

Weather unsettled. During first hours passing rainy. Winds light, shifting to N.N.W. North & N.E. During remainder of watch light airs from N. & E. to E. Shifting to East & E.b.S. Clearing. Moderate swell from E. Several flashes of lightning along horizon to the E. & S.E. last hour. Sea smooth. At 12m. took in sea anchor & main trysail. At 2m. set sea anchor & main trysail.

A. H. Galloway
Lieut U. S. N.

From 4 to 8 A.M.

Generally cloudy & pleasant. Light airs to gentle breeze from E.b.S. & S.E. & E. At 6. got under way. Set jib & foretopsail. Close hauled on starboard tack, at end of watch. Distancing.

L. A. F. Dougherty
Lieut U. S. N.

From 8 A.M. to Meridian

Partly clear with occasional rainy appearances. Blowing & rainy. Light to gentle breeze from E.S.E. & S.E. Moderate sea with long S.E. swell. Ship wet. At 9m. mustered at quarters, after which drilled 1st Div. at Rifles, 2d Machine Guns, 3d Div. Powder & Hand Single Sticks. Capt. Lamb, U.S.M.C. was by order of Comdg Officer this day detached Equipment Yeoman at end of watch. Full & bent on starboard tack, under plain sail to topgallant sails (except mainsail) & trying it, making good E. by S. & S. Distancing.

A. C. Poundstone
Ensign U. S. N.

From Meridian to 4 P.M.

Partly cloudy. Light to gentle breeze from S.E. & E. first part of watch. Gentle to moderate breeze last part from E. Squally & rainy last hour. Ship under plain sail to topgallants sails & reefs mains. At 3.00 took in trysail & jib & foretopsail. P.L. registered 9 ft. at end of watch. Distancing.

T. D. Tompkins
Ensign U. S. N.

From 4 to 6 P.M.

Overcast with light rain. Moderate to stiff breeze from E.b.S. & E.S.E. Long swell. Moderate sea. At 5, came ship to the S. At 5.30 hands heaving fore shackle distancing & hauled fires.

A. H. Galloway
Lieut U. S. N.

From 6 to 8 P.M.

Generally cloudy with occasional lightning & light drizzling rain. At end of watch clear. Moderate to fresh breeze from E.S.E. At 7.20, took in & furled topgallant sails. At 7.28 came ship.

L. A. F. Dougherty
Lieut U. S. N.

From 8 P.M. to Midnight

Partly clear with cum. & nimb. clouds. Bright starlight with occasional lightning to N.E. & E. Gentle to moderate breeze from E.b.S. Long swell from S.E. with moderate cross sea from E.b.S. Ship under way under plain sail to topsails, reefed mainsail, trysail & jib on starboard tack, making good at end of watch, N.N.E. & N.E. by E. Course E.S.E.

E. H. Poundstone
Ensign U. S. N.

Examined and found to be correct.

Thos. B. M. Mason.
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At Sea making passage by the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	9	45.1	N. E by N	E by S	4		1	30.22	76	75	74	76	be	cum Strat	2	
2	4	5	49.6	"	"	4		1	30.23	76	75	74	76	"	"	2	"
3	4	4	54.0	"	"	4		1	30.22	76	75	73	76	"	"	4	"
4	4	5	58.5	"	"	5		1	30.21	75	74	73	76	c.cgs	"	0	"
5	3	9	62.4	"	E by S E	4		3	30.24	75	74	74	76	c.cgs	"	0	"
6	3	6	66.0	N N E 1/2 E	"	4 1/2		2	30.24	75	74	74	76	c.cg	"	0	"
7	4	8	70.8	"	"	4		1	30.26	74	73	73	74	c.cgd	"	0	"
8	4	4	75.5	N N E	"	4		1	30.28	76	74	74	78	c.cg	"	1	"
9	4	4	80.2	N N E 1/2 E	"	4		1	30.25	75	74	74	78	b.cgs	"	1	"
10	6	5	86.4	N by E	East	4 5		1/2	30.25	76	75	74	78	b.cg	"	2	"
11	4	0	93.4	N E by N	E by S E	4 5		1/2	30.25	74	73	73	74	c.cgr	"	9	"
Noon.	6	1	99.8	N N E	E by S	4 5		1/2	31.24	73	71	72	75	"	"	9	"

Course and distance made good since preceding noon by observations, 117 Miles

		knots.	tenths.
Position at Noon:	Latitude by D. R.	N	32 ° 43' 00"
	Longitude by D. R.	E	133 ° 44' 00"
	Latitude ~~by observations~~ of by intersection of ☉ & ☽ Sumner Line	N	33 ° 23' 00"
	Longitude ~~by chronometer from Forenoon Observations of ☉~~	E	134 ° 38' 00"
Position at 8 a. m.	Latitude by D. R.	N	32 ° 19' 48"
	Longitude by D. R.	E	133 ° 39' 48"
Position at 8 P. M.	Latitude by D. R.	N	33 ° 00' 36"
	Longitude by D. R.	E	134 ° 28' 06"

Current during the time, 2 knots 9 tenths per hour, setting to the N. E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head N. ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " N. ° ' "

Variation of the Compass ~~by Azimuth ⊙ observed at~~ N. ° ' "

Variation of the Compass by Azimuth ⊙ observed at " N. ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at Noon, 2800 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 111 " 1076 "

P. M.																		
1	6	3	6.1	N. N. E	E by S	4		1	30.20	74	73	72	75	o.c	cum Strat			
2	2	4	8.5	S S W 1/4 W	S E by E	4		1	30.18	75	73	73	75	b.c	"		2	"
3	6	5	14.0	S W by S	S E	4		1	30.16	74	73	73	75	o.c.cg.	"		0	"
4	5	8	22.8	S S W	E S E	4		1	30.15	79	72	73	76	"	"		0	"
5	4	5	27.3	S by W 1/2 W	"	3 5		3	30.13	72	71	72	75	"	"		0	"
6	3	4	31.0	S 1/2 W	"	3 4		2 1/2	30.13	72	72	72	76	"	"		0	"
7	3	4	34.4	S by W 1/2 W	S. E by S	3		1/2	30.12	76	74	72	76	o.c.g.	"		0	"
8	2	5	36.2 39.0	E by N	"	4			30.12	75	74	73	76	b.c.g.	"		0	"
9	5	9	44.9	"	S E by E	4 5			30.11	74	74	73	78	o.c.g.	"		0	"
10	4	4	49.3	"	E S E	5 6			30.09	74	73	73	78	"	"		0	"
11	4	6	53.9	"	"	5 7			30.04	74	73	73	78	b.c.g.s	"		0	"
Mid.	2	6	56.5	"	"	5 6			30.06	75	74	72	78	"	"		0	"
	56	8																

Sat 15 2024 Lat N 32°06 Long E 135

under the command of Commander T. F. Jewell, U. S. Navy,

Friday October 21st, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends H. A. M.

Clear, first half cloudy last half. Moderate rain & squall last hour. Moderate increasing to stiff breze from E. by S. Steering full & by N. E. by N. Main sails & topsails in & set mainsail. P.K. reg'd 58.5

T. F. Jewell
Ensign U. S. N.

From H. to 8 A. M.

Overcast with frequent rain squalls. Weather unsettled. Moderate to stiff breze from E. S. E. Sea smooth. Moderate swell. At 4a weather clearing & appearing more settled set topsail sails & mainsail. Took in main trysail. At 4h 45m fresh rain squall made up from E. S. E. took in main sail & topsail sails. Full & by making course N. by E.

Edw. Galloway
Ensign U. S. N.

From 8 A. M. to Meridian

Generally overcast & cloudy. Light rain squalls at intervals & during last hour steady rain. Wind generally moderate to fresh from East to E. S. E. at 8.30 set main trysail. At 8.45 set mainsail, topgallant sails, fussing Jib & gaff topsail & took in main trysail. At 9.15 took in fussing Jib & gaff topsail. At 9a went to quarters & exercised 1st Div. Single Sticks, 3d Machine Guns, Powder & Hand Rifles. At 10.30 sighted land on port beam. Close hauled on starboard tack.

S. F. Leadbetter
Lieut U. S. N.

From Meridian to 4 P.M.

Overcast & cloudy. Squally with passing showers last two hours. Moderate breze from E. by S. to S. E. at times fresh squalls. At 11.45 furled topgallant sails & at 1 o'clock ship set topgallant sails. At 2.30 took in topgallant sails to a squall. Took in & furled mainsail. Land in sight to N.E. & N. until 3. when lost sight of it through thick weather. At end of watch steering full & by on port tack with topsails, forsail, Jib, fore topmast staysail & trysail. Moderate sea.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 6 P.M.

Overcast with occasional light clouds. Frequent passing showers with squalls. Fresh to stiff breze from E. S. E. Moderate sea with long swell from E. S. E. Ship generally steady. Furled mainsail and topgallant sails & put covers on main sail. Set main trysail. At 4h 40m started fires in six boilers. At 5.0c, sighted land on lee quarter bearing S. by E. At end of watch under steam to topsails except mainsail furled & by on port tack, making good S. W.

H. Conyngham
Ensign U. S. N.

From 6 to 8 P.M.

Overcast & cloudy. Gentle increasing to moderate breze from S. E. by E. Moderate sea. Ship rolling & pitching moderately. At 7.05 went ahead one bell with engines. At 7.20 took in & furled sail. At 7.50, set fore & aft sail. Steering S. by W. ½ W. until 8a when changed to E. by N. P.L. 39.

T. F. Jewell
Ensign U. S. N.

From 8 P.M. to Midnight

Overcast for the most part with frequent stiff squalls with heavy rain, passing over from E. S. E. & East. At 9.25 took in fore & aft sails. Wind & sea increasing towards close of watch. Barometer falling.

Edw. Galloway
Ensign U. S. N.

Examined and found to be correct.

Thos. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Sea making Passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	1	09.6	E by N	E by E	4			30.05	76	74	72	78	b.c.q.	cum cumb	1	H.L.
2	5	0	64.6	E N E	" E	4			30.05	76	74	72	78	"	"	1	"
3	5	3	69.9	E N E	" E	3			30.04	76	74	72	78	"	"	3	"
4	3	4	73.6	"	"	3			30.03	76	74	73		b.c.p.	"	0	"
5	2	2	76.8	East	"	3			30.03	74	74	73		b.c.p.q.	"	2	"
6	2	1	79.9	"	"	3			30.03	74	74	72		"	"	2	"
7	Ships Head			Steered in for Ja-anna harbor	"	3			30.03	76	74	74		b.c.q.	"	3	"
8					"	3			30.02	74	74	74		"	"	1	"
9				E N E	E by E	3			30.04	74	74	72		b.c.m.	cir cum cumb	1	"
10				N N E	"	2			30.02	74	74	72		"	cir cum	1	"
11				N E	"	2			30.01	76	74	73		"	cumb	2	"
Noon.				E N E	"	2-3			30.00	74	74	72		b.c.q.f.	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water Distilled during the preceding 24 hours, 160 "

Water remaining on hand fit for use at Noon, 9650 "

Coal consumed during the preceding 24 hours, 5 tons 1840 lbs.

Coal remaining on hand at Noon, 105 " 1476 "

P. M.								
1	N E	E N E	2	29.96	76	73	b.c.f. cir cum	H.L.
2		"	2	29.93	74	73	b.c.	" 3 "
3	E N E	"	2	29.91	76	74	"	" 1 "
4	E by N	"	2	29.90	76	74	"	" 1 "
5	E N E	"	2	29.88	76	76	v.b.c.q.m.	" 0 "
6	N E by E	N E by E	3-4	29.85	74	73	v.b.c.p.q. cum cumb	0 "
7	E by N	"	3-4	29.85	76	76	b.c.q.	" 3 "
8	E S E	East	4	29.85	76	76	"	" 1 "
9	E East	"	4	29.83	76	76	b.c.p.q.	" 1 "
10	E by S	"	4	29.82	76	76	"	" 1 "
11	S E by E	"	4	29.80	76	76	b.c.q.	" 1 "
Mid.	E S E	"	5	29.78	76	76	"	" 1 "

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday October 22d, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy with occasional rain squalls. Gentle to moderate breeze from E.S.E. & S.E. At 1.25 set fore topmast staysail. Main topsail & spanker at 2.0 sighted Oki-sima Light bearing about N.E. At 2.53 changed course to E.N.E. P.C. 63°. At 2.30 lowered dories. Sent both boats, chains. At midnight Oki-sima Light bore N.¼E. Sighted a revolving white light (Tsiog-umiaki) bearing about N.E. At 4.

Lieut. & I.T.

From 4 to 8 A.M.

Overcast cloudy & squally with passing showers, first two hours. Gentle breeze to stiff squalls from S.E. At Daylight stood in for anchorage in Oki-sima harbor, the Comd'g Officer at the conn. At 7.33 let go starboard anchor in 9¼ fms, sticky bottom, veered to 45 fms. Draft forward 14' aft 16'. Transferred fires from boilers 2 & 4 to 1 & 3 for distilling and banked fires in boilers 5, 6, 7 & 8. Bearings at anchorage N.E. point of Koiga-sima S. by E.½E. Omagi-saki point E.½E.

Ensign

From 8 A.M. to Meridian

Partly cloudy & cloudy with rain. Hazy first part of hour, when generally overcast with light passing showers & light squalls from S.E. Light breeze, prevailing direction E.S.E, increasing in force to moderate breeze part of hour during squalls. At 8m, started fires in boilers 1 & 3 for distilling. Commenced distilling at 11h. Rove off new fore topmast staysail sheets. Fires banked. Long ground swell, ship easy to tidal observation.

H. C. Poundstone
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy weather with passing showers, last hour. Light breeze from E.S.E. Barometer falling gradually. Distilling.

F. J. Boone
Ensign U.S.N.

From 4 to 6 P.M.

Light threatening weather. Passing rain squalls. Wind light & puffy from E.S.E. to E.N.E. in the harbor. Heavy rain squalls passing over outside from S.S.E. Sea smooth. Barometer falling. Distilling. Ship pitching to the wind.

C. F. Galloway
Asst. Surg. U.S.N.

From 6 to 8 P.M.

Generally overcast & cloudy. Gentle to moderate breeze from N.E. & East. Distilling.

A. F. Fechteler
Lieut. U.S.N.

From 8 P.M. to Midnight

Overcast cloudy & squally with light passing showers first two hours. Moderate to stiff breeze with fresh squalls from East. Smooth sea. Distilling.

E. M. Hoogewerff
Ensign U.S.N.

☽ First Quarter.
Dec. 19d 8

Examined and found to be correct.

Leo. B. M. Mason.
Lieut. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor in the harbor of Ogasima Japan

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1				East	East	4-6			29.23	76	76	75		b.c.q.r.	cumf	a	11
2				S E by S	S E by S	4-6			29.68	76	76	75		"	"	a	"
3				S by W	S by W	4-6			29.69	76	75	76		"	"	a	"
4				S E by S	S E by S	4-5			29.69	75	75	76		"	"	a	"
5				S W	S W	4			29.70	75	74	76		"	"	a	"
6				"	S S W	4			29.70	75	74	76		"	"	a	"
7				S S W	"	3			29.71	76	76	74		b.c.r.	cumnim	2	9
8				S S W	"	3			29.73	76	76	74		b.c.	"	4	"
9				S W by S	S W by S	3			29.73	78	74	74		"	cumf	4	"
10				S E by E	S W by W	3			29.73	74	76	76		b.c.r.q.	cumnim	2	"
11				E by S	S W	3			29.73	74	76	74		b.c.q.	"	4	"
Noon.				S W	"	4			29.73	74	76	76		"	"	1	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilling during the preceding 24 hours, 50 "

Water remaining on hand fit for use at Noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons 320 lbs.

Coal remaining on hand at Noon, 104 " 1156 "

P. M.																
1				West	S W by W	3			29.74	82	76	75		b.q.	cirrum	6	9
2				W by S	"	3			29.68	82	74	76		"	"	6	"
3				"	W by S	2			29.68	82	78	76		"	"	6	"
4				W by S	W by S	2			29.68	82	78	74		"	cumf	6	"
5				W S W	"	2			29.74	78	74	76		"	"	4	"
6				"	West	2			29.74	74	74	76		"	"	5	"
7				N W by W	"	1			29.74	74	76	75		"	cir cum	8	9 k
8				North	N by W	1			29.74	76	76	75		"	"	4	"
9			88.1	S S E	N	1			29.79	74	74	74		"	cumnsh	9	"
10	5	6	93.4	E S E	S W	1			29.78	76	74	76		"	"	9	m k
11	6	1	99.8	"	"	1			29.80	76	76	76		"	"	9	"
Mid.	6	9	05.8	"	"	1			29.81	76	76	74		"	"	9	"

under the command of Commander T. F. Jewett, U. S. Navy,

Sunday October 23d 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and Ended A.M.

Commenced and ended cloudy. Frequent heavy falls of rain with continued light squalls. Moored to fresh hemp in 4 fathoms, veered chain from 2 to 5 shots to 9 to 10 at 30 fathoms, heading East, from 9 to 9 E by S. Shortened & veered to 6 shots of chain 1 to 3, transferring same to fore of the bay 5 to 10. Commenced fires, ceased from the main & one donkey from E. by S. Pilot and Barometer standing as per day. Thermometer 70.

From 4 to 8 A.M. C. M. Cleaveland Actg. Ens. U.S.N.

Cloudy and rainy first half of watch. Moored Ironclads as per day. From 8 to 8 Light to Gunboats for Quarters. Clear and calm from Monitors.

From 8 A.M. to Meridian. J. H. Brainard Actg. Ens. U.S.N.

Unsettled weather. Carrying squalls. Employed getting coal from 9 to 11 A.M. at 9 to 9 to 10 hours. Commenced coaling ship from 9 to 11 A.M. at 9 to 9 to 10 hours. Finished coaling ship. Received 34 tons of coal from 9 to 11 A.M. at 9 to 9 to 10 hours. Received on board

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	6	11.4	E by E	Calm	0			29.84	76	75	75	76	bc.	cum str	9	"
2	6	6	18.0	"	South	1			29.84	76	75	75	75	"	"	9	"
3	6	6	24.6	"	"	1			29.80	76	76	75	75	"	"	8	"
4	6	4	31.0	"	"	1			29.82	77	76	74	75	"	"	2	"
5	6	5	37.5	"	N E	2			29.84	74	73	72	75	"	"	6	"
6	7	8	44.5	"	N E by N	3			29.85	74	72	72	76	"	cu cum	5	"
7	7	5	52.0	"	"	3			29.85	74	72	72	75	"	"	5	"
8	8	4	60.4	"	"	4			29.92	73	72	72	74	"	"	5	"
9	8	9	68.4	"	"	4			29.92	73	71	71	74	"	"	4	"
10	7	5	75.9	"	"	4			29.92	73	71	71	72	"	"	3	"
11	7	2	83.1	"	"	4			29.92	73	71	71	73	"	"	3	"
Noon.	8	0	91.1	"	"	4			29.92	74	72	72	74	"	"	4	"

Course and distance made good since preceding noon by observations, 113 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 32° 52.0 "
- Longitude by D. R. — E 134° 48.0 "
- Latitude by observations of ⊙ — N 32° 40.0 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 134° 54.0 "

Position at 8 a. m.
- Latitude by D. R. — N 33° 03.15 "
- Longitude by do — E 134° 13.59 "

Position at 8 P. M.
- Latitude by Bearings — N 32° 34.0 "
- Longitude by do — E 139° 35.0 "

Current during the time, 1.2 knots tenths per hour, setting to the SSE

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — N.A ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — N.A ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — 2.9 ° ' "

Variation of the Compass ~~by Azimuth ⊙ observed at~~ " — N.A ° ' "

Water expended during the preceding 24 hours, 319 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2559 "

Coal consumed during the preceding 24 hours, 9 tons 1840 lbs.

Coal remaining on hand at Noon, 119 " 1656 "

P. M.														
1	7	6	98.7	E by S	N E by N	3-4		1/4	29.89	74	72	72	78	bc	cum str	3	"
2	7	9	6.6	SE by E	E by S	3-2		1/4	29.84	75	73	73	78	"	"	1	"
3	6	9	13.5	SE by E	E by S	2			29.86	75	74	74	78	"	"	1	"
4	5	4	19.9	E by S	East	1			29.86	75	74	74	78	bc	cum nim	1	"
5	6	5	26.4	"	SE	2			29.89	75	73	73	78	bc	cu	1	"
6	6	4	33.1	"	E	2			29.89	75	73	73	78	"	"	1	"
7	6	9	40.0	"	East	1			29.91	75	73	73	78	bc	cu cum	5	"
8	7	0	47.0	"	"	1			29.91	75	73	73	74	"	str cum	3	"
9	6	7	53.7	"	"	1			29.91	75	73	73	76	bc	cum nim	9	"
10	5	5	59.2	SE by E	E by S	2			29.92	75	73	73	76	"	"	9	"
11	7	0	67.8	"	"	2			29.92	75	74	73	74	"	"	9	"
Mid.	6	4	74.2	"	"	2			29.91	75	74	74	74	"	"	9	"

Sat 19 1035 Lat 31 32°36 Long E 140°

under the command of Commander T. F. Jewett, U. S. Navy,

Monday October 24th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear & mod. Very light airs from S.W. & W. No clouds until 2 when light cirro cumulous making up around the horizon west, North & East. Ship rolling deeply but easily to Moderate seas from S. At 12 shifted fires from boilers 2 & 4 to 1 & 3 on account of leak in back connection of No 2. At 1 secured steam from latter. At 2 shifted fires from 6 & 8 to 5 & 7 on account of leaking surface blow pipe in E. At end of watch on course E.S.E. steam alone.

C. D. Galloway
Lieut U.S.N.

From 4 to 8 A.M.

Clear & pleasant At 4 a light breeze sprang up from N.E. which hauled to N.E. by N. & freshened to moderate breeze by end of watch. At 4 to 5 set fore & aft sail, at 5 to 5.30 fore sail & at 6.30 topsails and topgallant sails. Course E.S.E.

L. A. F. Terry
Lieut U.S.N.

From 8 A.M. to Meridian

Partly clear pleasant & Moderate breeze from N.E. by N. At 9.30 inspected at quarters & exercised as per divisional routine. Tested magazine & shell room flood cocks, electrical apparatus and circuits. Found all to be in good condition. Ship pitching easily to a moderate sea from N.E. At end of watch on course E.S.E. steam & plain sail to topgallant sails except (mainsail) reefed Jib, Jaffy Topsail & main trysail.

W. B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.

Generally cloudy Overcast with passing showers last hour. Clouds cumulous & cumulus. Moderate to light breeze first part from N.E. by N. shifting to light N.E. by E. 30 hour, falling to light airs & coming out from S.E. at 3 P.M. Moderate sea from N.E. first part, smooth afterwards. Long E'ly swell. Ship steering about course steadily. At 2.45 took in topsails & topgallant sails, at 3 P.M. fore sail & at 3.10 crossed course to E.S.E. & P.L. of at 3.30 took in fore & aft sail. At end of watch under steam alone on course E.S.E. By order of Commodore officers released Pay Asst Kellogg U.S.N. (the term for which he was confined having expired).

E. H. C. Parker
Ensign U.S.N.

From 4 to 6 P.M.

Cloudy overhead Light breeze from S.E. Steam alone. Smooth sea, long swell from S.E. P.L. registered 331.

F. Boone
Ensign U.S.N.

From 6 to 8 P.M.

Cloudy & mod. Very light airs from East Light showers at 6.30 Light cirro cumulous clouds moving slowly generally from S.W. At 6.45 sighted Aoga Shima bearing E. by S.E. by E. ½ E. At 7.25 sighted Fatsizio bearing N.E. by N. Sea smooth with long swell from South. Ship rolling easily. At 8 P.M. Fatsizio bore East Fatsizio N.N.E. ½ E. Aoga Shima S.E. by E.

C. D. Galloway
Lieut U.S.N.

From 8 P.M. to Midnight

Generally overcast & cloudy. Light airs from E.N.E. At 9.50 changed course to S.E. by E. ½ E. Aoga Shima bearing S.S.W. P.L. of 3. Set fore & aft sail.

A. F. Terry
Lieut U.S.N.

Examined and found to be correct.

Theo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Carolina Islands.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	2	80.4	SE by E½E	N E by N	1			29.89	45	74	71	71	clear	cumulus	1	SL
2	6	2	86.1	"	"	2			29.84	45	74	71	71	clear	"	1	"
3	7	1	94.2	"	"	2			29.84	45	74	71	71	clear	"	0	"
4	7	3	1.5	"	N N E	3			29.86	45	74	71	71	"	"	0	"
5	7	5	9.0	"	"	3			29.84	45	74	75	71	"	"	0	SL
6	7	0	16.0	SE by E½E	SE	3			29.86	45	74	74	70	"	"	0	"
7	6	4	22.1	SE by E½E	E by E	2			29.89	45	73	71	71	"	"	0	"
8	6	0	28.4	"	E by N	2			29.89	45	72	71	71	"	"	0	"
9	7	8	33.2	"	SE by E	2			29.90	46	76	75	71	"	"	0	"
10	6	0	39.2	"	SE	2			29.90	46	74	75	71	"	"	0	"
11	6	1	45.3	"	South	2			29.88	45	73	71	71	"	"	0	"
Noon.	5	3	51.8	"	W. by W	2			29.86	46	73	71	71	"	"	0	"

Course and distance made good since preceding noon by observations, 184 knots. tenths.

Position at Noon: Latitude by D. R. N 31 ° 54 ' 18 "

Longitude by D. R. E 141 ° 24 ' 00 "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by D R N ° 31 ' 29 " 34

Longitude by do E ° 142 ' 16 " 00

Current during the time, knots tenths per hour, setting to the n.g

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head n g ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " n g ° ' "

Variation of the Compass by Azimuth ⊙ observed at " n.g ° ' "

Variation of the Compass ~~by Azimuth ⊙ observed at~~ " n.g ° ' "

Water expended during the preceding 24 hours, 3 n g gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2250 g "

Coal consumed during the preceding 24 hours, 10 tons 1660 lbs.

Coal remaining on hand at Noon, 108 " 2136 "

P. M.																	
1	5	6	56.1	SE by E½E	N N E	3			29.83	45	74	70	68	clear	cumulus	0	SL
2	6	0	62.1	SE by E	South	3			29.82	46	73	74	68	"	"	0	"
3	6	1	68.8	SE by E½E	N E	3			29.82	44	73	74	68	"	"	0	"
4	5	5	74.3	"	North	3			29.83	44	72	72	68	"	"	0	"
5	6	0	80.3	"	"	4			29.83	44	72	72	71	"	"	0	SL
6	7	4	87.4	"	"	4			29.81	44	72	73	74	"	"	0	"
7	7	2	94.9	"	"	4			29.83	44	72	73	74	"	"	0	"
8	7	6	2.5	"	North	4			29.86	44	72	73	74	"	"	0	"
9	5	4	7.9	"	N N E	2-3			29.85	45	72	73	71	"	"	0	SL
10	6	0	13.9	"	E N E	1-2			29.85	45	73	73	76	clear	"	0	"
11	5	4	19.3	"	South	2-3			29.84	48	73	73	76	"	"	0	"
Mid.	5	2	24.5	"	"	3			29.84	48	73	73	76	"	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,

Tuesday October 25th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast with light steady rain last two hours. Light airs to gentle breeze from N. E. by N. & N. N. E. Made plain sail to T. G. sails except mainsail. Moderate long swell from S. E. at end of watch on course S. E. by E. 1/2 E. under steam & sail.

W. B. Hoyt
Ensign U. S. N.

From 4 to 8 A.M.

Overcast with rain & squalls & continuous light rain. Gentle N. E. breeze, at 5 hauled shifting to S. E. 2 hours, coming out in light airs from S. E. 3 hours & shifting to E. by S. at end of watch. At 5 A.M. took in skysail & jaff topsail. At 5 1/2 took in square sail & 5th, for & aft sail. Set fore & aft sail at 7 & took it in again at 7 1/2. At end of watch on course S. E. by E. 1/2 E. under steam almost smooth sea, with long Ely swell. Ship rolling easily.

H. C. Saunders
Ensign U. S. N.

From 8 A.M. to Meridian

Overcast & cloudy with continuous rain. Light breeze from S. E. by E. gradually hauling to W. & W. Smooth sea. Light swell from S. For & aft sails & steam. Course S. E. by E. 1/2 E. P. L. 5.

J. F. Loomis
Ensign U. S. N.

From Meridian to 4 P.M.

Overcast with almost constant heavy rains. Wind light from N. W. shifting in rain squalls around compass by way of N. E. & South then N. W. to East then backing to N. N. W. Moderate to smooth sea with increasing long swell from S. At 2 1/2 made topsails took in & furled sails, then made jib & main trysail, as wind favored. At 3 1/2 took in jib & main trysail. At end of watch under steam alone, course S. E. by E. 1/2 E. At 3 1/2, started fires in boilers 6 & 8. Barometer steady.

E. D. Galloway
Ensign U. S. N.

From 4 to 6 P.M.

Cloudy & raining. Moderate breeze from N. N. W. Squally at times. At 4 Co. at fore & aft sails except (fore topmast staysail). Topsails & foresail. Transferred fires from 6 to 8. Long swell from S.

A. F. Denton
Ensign U. S. N.

From 6 to 8 P.M.

Overcast & raining. Moderate breeze from N. N. W. & North failing light & shifting to N. E. at end of watch. At 6 1/2 set T. G. sails & at 8 took them in. Moderate sea. At end of watch on course S. E. by E. 1/2 E. under steam & plain sail to topsails.

W. B. Hoyt
Ensign U. S. N.

From 8 P.M. to Midnight

Overcast with rain clouds. Raining at times. Passing showers afterwards. Light to stiff breeze in rain squalls from N. N. E. at 10 hours, shifting to E. N. E. in light airs to fresh breeze & coming out at 10 1/2 in light to gentle breeze from S. E. very warm breeze at first. Smooth sea, with long heavy swell from South. Ship knocking about a great deal. At 8 1/2 took in & furled topsails & topgallant sails hauled up & foresail hauled down keeping jib & set fore topmast staysail. At end of watch on course S. E. by E. 1/2 E. under steam alone & fore & aft sail except flying jib.

H. C. Saunders
Ensign U. S. N.

Examined and found to be correct.

Thos. B. M. Mason Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	6	29.1	SE by E ½ E	S S E	3			29.84	80	79	79	78	b.c.	cum nimb	4	2
2	4	4	33.5	E "	"	3			29.85	80	79	79	78	"	"	4	"
3	4	6	38.1	East	"	3			29.83	80	79	79	78	"	cum	8	"
4	4	4	42.5	E N E	"	3			29.81	80	79	78	78	"	"	4	"
5	8	2	50.7	N E by E ½ E	S E by S	4	½		29.80	79	78	78	78	b.c.r.g	cum nimb	8	"
6	9	0	59.7	E by N	S E by S	5	½		29.82	79	79	78	78	b.c.	"	6	"
7	8	5	68.2	E N E ½ E	S S E	5	½		29.82	79	78	78	78	b.c.r.	cu cum	6	"
8	8	2	76.4	E by N	"	5	½		29.83	80	79	78	78	"	cu	4	"
9	7	5	84.1	E N E ¾ E	S E by S	4			29.80	81	80	79	78	b.c.f.	cu cum	8	"
10	6	8	90.9		S S E	4	½		29.80	81	80	79	78	"	"	5	"
11	6	9	97.8	E N E ½ E	S E by S	4	¾		29.80	81	80	79	78	"	"	6	"
Noon.	6	3	104.1	E N E ¼ E	"	4-5	½		29.80	81	79	78	78	"	"	5	"

Course and distance made good since preceding noon by observations, P. 2 153.9 S. 155 knots. tenths.

Position at Noon:	Latitude by D. R.	N 31 ° 41.00 "
	Longitude by D. R.	E 144 ° 01.00 "
	Latitude by observations of ☉	N 31 ° 38.42 "
	Longitude by chronometer from Forenoon Observations of ☉	E 144 ° 01.00 "
Position at 8 a. m.	Latitude by Observation	N 31 ° 34.00 "
	Longitude by	E 143 ° 35.00 "
Position at 8 P. M.	Latitude by Moon	N 32 ° 18.00 "
	Longitude by "	E 145 ° 02.00 "

Current during the time, knots 2 tenths per hour, setting to the E 28° S

Variation of the Compass by Amplitude ☉ observed at Sunrise, ship's head n.o ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset, " n.o ° ' "

Variation of the Compass by Azimuth ☉ observed at " n.o ° ' "

Variation of the Compass by Azimuth ☉ observed at " n.o ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 19350 "

Coal consumed during the preceding 24 hours, 8 tons 800 lbs.

Coal remaining on hand at Noon, 100 " 1336 "

P. M.													
1	6	2	11.1	N E by E ½ E	S E	4	1	29.79	80	79	78	b.c.f.	cu cum	5	
2	6	3	17.4	N E by E	S E by S	4	1	29.79	80	79	78	"	"	8	"
3	4	2	24.6	N E	"	4-5	½	29.78	79	78	78	"	"	8	"
4	6	4	31.0	N E ¾ E	S E	5	½	29.78	79	78	78	"	"	8	"
5	4	4	38.4		S E by E	4	1	29.76	78	78	76	b.c.	cu	8	
6	4	2	45.6	N E ½ E	"	4	1	29.74	80	79	76	"	"	9	"
7	4	1	52.7	N E ½ E	"	4	1	29.78	82	79	76	b.c.	"	9	"
8	6	8	59.5	N E ½ E	"	4	1	29.80	82	79	76	b.	nmb	10	
9	4	0	66.5	"	S E	5	½	29.84	78	76	76	b.c.	cu cum	9	
10	6	0	72.5	N E by E ½ E	S E by S	4	½	29.79	78	76	76	b.c.	nmb	10	"
11	6	2	78.7	N E by E ¾ E	"	5	½	29.78	78	76	76	"	"	10	"
Mid.	5	8	84.5	E N E	"	5	½	29.78	78	77	76	b.c.	"	10	"

Sat Sc: 1036 Lat 38' 32°10' Long E 145°

under the command of Commander J. F. Jewell, U. S. Navy,

Wednesday October 26th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear cool and pleasant weather. Bright starlight. Gentle breeze from S.S.E. Course S.E by E 6 to 8 until 3. when changed to E by E. at 3. began making sail. At end of watch fresh on starboard tack with plain sail to t'gallant sails. Hauled fires in boilers No 1 & 3 & banked them to No 1 & 3. P.2 to 5.

J. D. Looney
Sen. Engr U. S. N.

From 4 to 8 A.M.

Fair with passing rain squalls first hour. Moderate breeze from E by S, veering to S. and increasing during remainder of watch. Moderate swell. Smart sea & hazy about horizon to S. Sem ~~ray~~ above low bank of clouds. bright straw color

C. D. Galloway
Lieut U. S. N.

From 8. A. M. to Meridian

Partially cloudy. Hazy around horizon. Moderate to stiff breeze from S.S.E. to S.E by S. Moderate sea from S.S.E. Long swell from S.S.W. Barometer steady. At 8. o/c hauled fires, stopped engines, disconnected screw & lowered smoke stack. At 9. o/c unrove and set quarters at 10 o/c set mainsail & took in main trysail.

Jas. F. Jewell
Lieut U. S. N.

From Meridian to 4 P.M.

Generally clear. Hazy and pleasant. Moderate to stiff breeze from S.E. to S.E by E. Shifting fore & aft, under plain sail to t'gallant sails. Moderate sea from S.S.E.

E. Wallace
Engr U. S. N.

From 4 to 6. P.M.

Generally clear, hazy around horizon. Clouds stratus. Moderate breeze from S.E by E. Long heavy swell from South with moderate sea from S.E. Ship rolling & pitching easily but deeply at times. At end of watch under plain sail to t'gallant sails, fresh breeze on starboard tack.

A. Lamb-stoke
Engr U. S. N.

From 6. to 8. P.M.

Clear cool and pleasant. Moderate breeze from S.E by E. Moderate sea & light swell from S.E. Close hauled on starboard tack with plain sail to t'gallant sails. P.2 to 5.

J. D. Looney
Engr U. S. N.

From 8. P.M. to Midnight

Clear cool and pleasant. Moderate to stiff breeze from S.E by S. Smart Moderate swell from South. Heavy head sea. Last half hour six cumulus passing over from S.E. Bright moonlight. Long sail fresh on.

C. D. Galloway
Lieut U. S. N.

Examined and found to be correct.

Theo B. McLaughlin
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	5	9.0	N E by E 1/4 E	S E	4		1/2	29.23	78	76	75		b c.	cir, cum	3	
2	7	5	98.5	N E by E	"	4		1/2	29.23	78	76	75		"	"	5	"
3	7	5	106.0	N E by E 1/2 E	"	4		1/2	29.23	78	76	75		"	"	5	"
4	7	4	13.4	N E by E 1/2 E	S E by S	4		1/2	29.22	78	76	75		"	cum & cirr	9	"
5	7	0	20.4	N E by E 3/4 E	S E by S	5		3/4	29.21	78	76	75		"	cir, cum	2	"
6	7	1	27.5	N E by E 1/2 E	"	5		3/4	29.20	78	76	75		b c	cir, cum	3	"
7	8	1	35.6	N E by E	S E	5		3/4	29.21	78	76	75		"	cir, cum	5	"
8	7	4	43.0	N E by E 1/2 E	S E by S	5		1	29.22	78	76	75		"	"	6	"
9	8	5	51.5	N E by E 1/4 E	S E	5		1/2	29.22	78	76	75		"	"	2	"
10	7	9	58.8	E N E	S E by S	5		3/4	29.23	79	77	76		"	"	4	"
11	7	0	65.8	E N E 1/2 E	"	5-6		3/4	29.22	79	77	76		"	"	5	"
Noon.	7	1	72.9	E N E	"	5-6		1	29.20	79	78	76		"	"	6	"

Course and distance made good since preceding noon by observations, E 4° N 168 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 33 ° 36 ' 36 "
- Longitude by D. R. — E 146 ° 50 ' 09 "
- Latitude by observations of ⊙ — N 33 ° 24 ' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 146 ° 45 ' 00 "

Position at 8 30 a. m.
- Latitude by D R — N 33 ° 11 ' 48 "
- Longitude by do — E 146 ° 25 ' 00 "

Position at 8 P. M.
- Latitude by do — N 33 ° 46 ' 12 "
- Longitude by do — E 147 ° 01 ' 48 "

Current during the time, knots tenths per hour, setting to the — n.a

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — n.a ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — n.a ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — n.a ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — 2.0 ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1650 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 100 " 936 "

P. M.																	
1	6	5	29.4	E N E	S E by S	4		3/4	29.68	80	78	76		b c	cir, cum	3	
2	7	2	86.6	N E by E 3/4 E	"	4		1	29.66	81	78	76		"	"	3	"
3	7	5	94.1	E N E	S E	4		1 1/2	29.66	81	78	76		b cum	cum nim	1	"
4	1	1	95.2	E by N	S by E	8		1	29.66	81	78	76		o c	"	2	"
5	0	6	95.8	East	South	8		1	29.66	81	78	76		o c	"	4	"
6	0	8	96.6	"	"	8		1	29.58	81	78	76		o c	"	2	"
7	1	4	98.0	E by S	"	8-9		1	29.54	81	78	76		"	"	2	"
8	2	6	1.6	S E by E	S by W	8-10		1	29.54	81	78	76		"	"	3	"
9	1	0	3.6	S E by S	S by W	8-10		1	29.55	76	74	73		"	"	5	"
10	1	6	3.2	"	S by W	8-9		1	29.68	76	75	70		"	"	2	"
11	3	1	6.3	S by E	S W	8		1	29.76	74	73	71		"	"	1	"
Mid.	2	5	8.8	South	W S W	7		1	29.80	76	75	72		o c q	"	0	"

under the command of Commander J. F. Lowe, U. S. Navy,

Thursday October 2nd, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A.M.

Weather pleasant. Moderate breeze from S.E. with occasional slight showers during last hour. Closed hauled on starboard tack. Moonlight first half of watch.

Lieut C.A.F. Jeffrey

From 4 to 8 A.M.

Partly clear, pleasant. Stiff breeze from S.E. by S. & S.E., blowing in squalls. Moderate sea from S.E. Steering free & by on starboard tack, under plain sail to topgallant sails.

Ensign W.B. Hoggatt

From 8 A.M. to Meridian.

Partly clear with cirro cumulus & th clouds. Light cool breeze across upper clouds from windward. Stiff breeze first part increasing to fresh breeze latter part. Moderate to heavy sea from S.E. Ship pooping deeply at times. At 9 a.m. took in & furled topgallant sails. At 10 a.m. sent down T. G. Yards. At 10.5 a.m. took two single reefs in topsails & got up preventer braces. Squared yards free & by on starboard tack, under double reefed topsails, courses, jib & t.s. staysail & spanker. Making good E. by E. Sent to quarters for muster at 9.30 a.m. Drilled 2nd Division at Gymnastic Guns.

Ensign W.C. Talcott

From Meridian to 4 P.M.

Fair first half, cloudy & overcast last half with rain. Very fresh breeze first three hours. Moderate gale last hour. Heavy sea from S.E. At 2.00 took a close reef in main topsail furled foresail, mainsail & fore topsail, shifted head sails & spanker. At end of watch lying to with close reefed main topsail & main try sail. Sent for storm staysail. P.L. 9.52. Barometer unsteady.

Ensign W.H. Goodrich

From 4 to 6 P.M.

Fair with cirro cumulus clouds passing over from South. Light, cloudy stratus clouds moving in opposite direction. Sea moderate but increasing. Moderate to fresh gale from S. by E. to South. Lying to under main try sail & close reefed main topsail. Ship behaving well & mooring easily. Moonlight.

Asst Surg. E.D. Glenn

From 6 to 8 P.M.

Generally cloudy. Moderate to fresh gale from South. Rough sea. Lowered spanker. Got out & put reef in spanker. At 7. furled main topsail & hauled ahead with engines turning very slowly. At 7.30 hauled down head of main try sail. Got life lines along deck & put gratings on steerage & wardroom hatches. Ship heading up to S.E. at times & falling off to E. by S. Rolling deeply & pitching easily.

Lieut C.A.F. Jeffrey

From 8 P.M. to Midnight

Generally cloudy squally with light passing showers last hour. Fresh gale decreasing to fresh breeze from S.W. to W.S.W. Rough cross sea changing direction with the wind. Ship pooping & pitching deeply at times. Lying to under steam & balanced reefed main try sail. Barometer rising. Lost overboard rubber boot, rain coat.

Ensign W.B. Hoggatt

Examined and found to be correct.

Theo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	3	12.1	S. S W.	West	4-6	4	4	29.79	45	42	42	45	b. c. q.	cumi nimb	5	R
2	3	4	15.5	S.W. ½ W.	"	3-5	4	4	29.84	45	41	40	45	"	"	5	"
3	2	3	17.8	S.W. by W.	W. by N.	2-4	4	4	29.89	45	41	40	45	b. q.	"	2	"
4	3	0	20.8	W. S W.	W. & W.	2-3	4	4	29.89	44	41	40	45	"	"	6	"
5	3	5	24.3	"	N. N. W.	3	3	3	29.84	43	41	40	45	"	"	6	"
6	3	1	27.4	"	"	3	1½	1½	29.89	43	41	40	45	p. c.	"	0	"
7	5	1	32.6	"	"	3	¾	¾	29.91	43	40	40	45	"	"	0	"
8	3	4/6	33.9 / 34.6	E. S. E.	"	3	¾	¾	29.96	43	40	40	45	b. c.	cir.	2	"
9	4	9	42.4	"	"	4	0	0	29.98	42	40	40	45	"	"	4	"
10	5	4	47.8	"	"	3	0	0	29.98	42	41	40	45	o. c.	"	0	"
11	6	0	53.8	"	North	3	0	0	29.99	42	41	40	45	"	"	0	"
Noon.	5	1	59.6	E. ½ S.	N. by E.	3	½	½	30.00	42	41	40	45	b. c.	"	2	"

Course and distance made good since preceding noon by observations, E 5.S 38 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 33 ° 09 ' 18 "
- Longitude by D. R. — E 142 ° 24 ' 18 "
- Latitude by observations of ⊙ — N 33 ° 24 ' 32 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 142 ° 09 ' 00 "

Position at 8 a. m.
- Latitude by D R — N 33 ° 16 ' 30 "
- Longitude by do — E 142 ° 04 ' 18 "

Position at 8 P. M.
- Latitude by do — N 33 ° 04 ' 38 "
- Longitude by do — E 142 ° 38 ' 00 "

Current during the time, knots tenths per hour, setting to the — n.q

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — n.q ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — n.q ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — n.q ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — n.q ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1350 "

Coal consumed during the preceding 24 hours, 4 tons 1520 lbs.

Coal remaining on hand at Noon, 95 " 1656 "

P. M.																
1	6	8	66.4	E. S. E. ¾ E.	N. N. E.	3	½	29.98	42	41	68	45	b. q.	cumi nimb	2	R
2	6	5	72.9	E. S. E. ½ E.	"	3	½	29.97	42	41	68	45	"	"	2	"
3	6	8	79.7	"	"	3-4	½	29.99	42	41	68	45	"	"	2	"
4	6	8	86.5	E. by S.	"	3-4	½	30.00	42	41	68	45	"	"	1	"
5	6	8	93.3	"	"	3	½	30.01	42	41	69	45	p. c.	"	0	R
6	6	0	99.3	E. S. E. ¾ E.	"	3	½	30.01	43	41	68	45	"	"	0	"
7	6	0	105.3	E. S. E. ½ E.	"	3	½	30.02	43	41	69	45	b. c.	"	1	"
8	5	4	11.0	E. S. E.	N. E. by N.	3	½	30.03	43	41	69	45	"	cumi	1	"
9	5	4	16.4	"	"	3	½	30.04	43	42	70	45	o. q.	cumi cir. nimb	0	"
10	5	2	21.6	"	"	3	½	30.04	43	42	70	45	"	"	0	"
11	5	4	27.3	S. E. ½ E.	"	3	½	30.03	43	42	70	45	b. q.	"	1	"
Mid.	4	4	32.0	S. E. by E. ½ E.	"	3	½	30.03	43	41	69	45	"	cir.	2	"

under the command of Commander T. F. Jewett, U. S. Navy,
Friday October 28th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Commences cloudy with cumulus clouds. Moon showing time 2d. Bright starlight at times. Moderate to fresh breze in squalls from West first part, pairing to gentle breze shifting to W by N in light to moderate breze 3d hour, W to W.N.W. in light to gentle breze last hour. Rough, heavy sea from W. & W. to W.N.W. to which ship pitched & rolled deeply & uncomfortably. At 2d, hauled out head of main try sail. At 3d began to unbend main topsail, finished at 3h 5m. Got new main topsail ready for bending. At end of watch laying to under steam & fore main trysail on starboard tack. Ship took considerable water at times.

H. C. Taussig
Ensign U.S.N.

From 4 to 8 A.M.

Overcast & cloudy. Gentle breze from N. to W. Moderate sea & swell from N. At 5h began making sail, set plain sail to topsails. Crossed fore topgallant yard. At 7h 20m wore ship Course E by S. At 7h 30m stopped engines, banked fires in four after boilers & uncoupled propeller. P.L. 3 to 5

F. Toombs
Ensign U.S.N.

From 8 A.M. to Meridian

Cloudy & cool & pleasant. Gentle to moderate breze from W. by W. to N. by E. Broken sea. Long swell from N.W. & W. Crossed main & royal topgallant yards. Made all plain sail except main-sail. Hauled fires in boilers 5, 6, & 8. Started fires in 1 & 3 at 11h 55m for destilling. At 11h 59m changed course to East & fore & by. At 12 making E by S.

E. Galloway
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy & cool. Gentle breze from N.N.E. At 1h set gaff topsail. At 2h 40m hauled fires from 5 & 6. Ship under all plain sail except mainsail. P.L. read 86 at end of watch. Long heavy swell from N.

A. T. Jewett
Lieut U.S.N.

From 4 to 6 P.M.

Overcast & cool. Gentle breze from N.N.E. At 5h 10m took in royals & furling sail & sent down royal yards. Moderate, long swell from N.N.W. Ship rolling easily but deeply at times. Fore & by under plain sail to topgallant sails with gaff topsail except mainsail. Began distilling.

W. B. Hoggatt
Ensign U.S.N.

From 6 to 8 P.M.

Generally cloudy. Clouds cumulus & nimbus. Moon showing occasionally. Gentle breze from N.N.E. to N.E. by N. Smooth sea with long cross swell from South to N.W. Ship rolling deeply at times. At 6h 05m took in mizzen gaff topsail. At end of watch under plain sail to topgallant sails, except mainsail, fore and by on port tack. Making good E.S.E. Compass East.

H. C. Taussig
Ensign U.S.N.

From 8 P.M. to Midnight

Cloudy weather but pleasant. Moon showing through clouds. Smooth sea. Fresh swell from N. Fresh breze from N.E. by N. Fore and by on the port tack, plain sail to topgallant sails. Making good E.S.E. until last hour when S.E. by E. 1/2 E. course East. Distilling. P.L. 32.

F. Toombs
Ensign U.S.N.

Examined and found to be correct.

Leo. B. M. Mason
Lieut U.S.N.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Guam making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	2	36.2	E ¾ S	NbyE	3		½	30.02	73	71	70	76	b c	cu cum	5	
2	4	8	41.0	E by S		3		½	30.01	73	71	70	75	"	"	6	
3	5	0	46.1	E ¾ S	NNE	2		½	30.00	72	71	70	75	"	cum	4	
4	4	9	50.9	E ¾ S	"	2		½	29.00	72	71	70	75	"	"	6	"
5	4	4	55.6	E S E ¾ E	"	3		½	30.00	73	72	71	75	"	cu & cum	8	"
6	4	4	60.6	E S E ½ E	"	3		½	30.01	73	72	71	75	"	"	8	"
7	4	2	64.2	"	"	3		½	30.02	72	71	70	75	"	"	2	"
8	4	4	68.6	"	"	3		½	30.02	72	72	71	75	"	"	6	"
9	5	0	73.6	E S E ¾ E	"	3		½	30.03	73	72	71	75	"	"	5	"
10	4	3	77.9	"	"	3		½	30.02	73	72	71	76	"	"	5	"
11	4	4	82.3	"	"	3		½	30.01	74	72	71	76	"	"	5	"
Noon.	5	0	87.3	E S E ½ E	"	3		½	30.00	74	72	71	75	"	"	5	"

Course and distance made good since preceding noon by observations, 122.1 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 32 42.00"
- Longitude by D. R. — E 149° 28.00"
- Latitude by observations of ⊙ — N 33° 00.00"
- Longitude by chronometer from Forenoon Observations of ⊙ — E 149° 10.00"

Position at 8 a. m.
- Latitude by D. R. — N 32° 47.42"
- Longitude by — E 149° 02.00"

Position at 8 P. M.
- Latitude by — N 32° 25.00"
- Longitude by — E 149° 46.00"

Current during the time, knots tenths per hour, setting to the — no

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — no ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — no ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — no ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — no ° ' "

Water expended during the preceding 24 hours, 311 gallons.

Water Distilled during the preceding 24 hours, 1150 "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, 1 tons 960 lbs.

Coal remaining on hand at Noon, 94 " 696 "

P. M.																	
1	3	5	90.8	E S E ½ E	NEbyN	2		½	29.97	73	71	70	75	b c	cu cum	4	
2	5	1	95.9	E by E		2-3		½	29.96	73	71	70	75	"	cum	3	"
3	5	0	1.9	E S E ½ E	NE	3		½	29.96	74	71	70	75	b c	"	4	"
4	6	2	14.			3-4		½	29.97	74	72	70	75	o c	"	0	"
5	6	9	14.0	S E	NE by E	3-4		1	29.98	74	74	74	75	b c	cum mid	2	"
6	6	4	20.4	S E ½ E	"	3-4		1	29.97	72	74	74	75	b c & g	"	1	"
7	4	0	24.4			3-4		½	29.98	72	71	71	75	"	"	1	"
8	6	4	34.1	S E ¼ E	NE	3-4		½	29.98	72	71	71	75	o c	"	0	"
9	6	4	40.8	S E ½ E	NE by E	3-4		¼	29.98	73	72	72	75	b c	"	1	"
10	4	1	44.9	S E	"	4		¼	29.98	74	72	72	75	"	"	2	"
11	6	0	53.9	S E ½ E	E by N	3		¼	29.98	74	72	72	75	b c	"	2	"
Mid.	5	4	59.6	S S E ½ E		3		¼	29.98	74	73	72	75	"	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,
Saturday October 29th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.

Bright clear and cool. Fresh breeze from N.N.E. Bright moonlight until about 3 AM. Broken sea with long swell from N.W. Cirro cumulus clouds passing over with the wind. Distilling. Found handle of Sounding Jam elevation on Port Beam at time of breakage unknown.

C. E. Galloway Lieut U.S.N.

From 4 to 8 A.M.

Generally clear. Fresh breeze from N.N.E. Plain sail to topgallant sails except mainsail. Close hauled on port tack. At 7. set flying jib and Gaff topsail. Moderate swell from N.N.W.

J. A. F. Duncan Lieut U.S.N.

From 8 A.M. to Meridian

Generally clear. Fresh breeze from N.N.E. At 9.55 crossed royal yards and set royals. Moderate swell from N.N.W. Distilling.

E. W. B. Hoggatt Ensign U.S.N.

From Meridian to 4 P.M.

Partly clear with cirro cumulus and mist clouds. Light passing showers 1st part. Overcast with rainy appearance last hour. Light to fresh breeze from N.N.E. to N.E. increasing to moderate breeze at end of watch. Smooth sea with moderate ground swell from N.N.W. Ship easy. Ambrose Fore storm stay sail and repaired split main top-sail. At end of watch ship under plain sail to royals except mainsail, furled and lying on port tack. making good S.E. ½ E. Course East. Quarterly Board of Survey ordered to be thrown overboard 2 cans (12 lbs) of Roast Beef put up by Cutting Packing Co. of San Francisco, received from Fleet Paymaster J. E. Tolfree Oct 4th 1881. Distilling.

E. N. Longstaffe Asst Surgeon U.S.N.

From 4 to 6 P.M.

Cloudy weather, cumulus clouds around horizon, passing rain showers last hour. Fresh increasing to moderate breeze from N.E. by E. Squally last hour. Sun shining through clouds at 5. sent down royal yards and stows flying jib and gaff topsail. Close hauled on port tack making good S.E. first hour and S.E. ½ E. last hour. At end of watch under plain sail to T.G.S. sails except mainsail. Distilling. P.L. 20 ft.

T. Foord Ensign U.S.N.

From 6 to 8 P.M.

Cloudy and cool with light showers passing over with the wind. Seasmooth. Occasional long swell from N.N.W. At 7. hauled fires in Nos 1 and 3 boilers, banked stack lit mainsail. Moonlight. Steering free and by S.E. by E. ½ E. last hour.

C. E. Galloway Lieut U.S.N.

From 8 P.M. to Midnight

Generally cloudy with passing showers during first hour. Fresh to moderate breeze from N.E. by E. hauling to E. by N. at end of watch. Plain sail to T.G.S. Close hauled on port tack.

J. F. Jewell Lieut U.S.N.

Examined and found to be correct.

Thos. B. W. Mason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Carolina Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	0	64.6	S E	N. E by E	3		½	29.96	74	73	72	75	b c	cir cumulus	5	
2	5	8	68.4	"	"	3		½	29.94	74	72	71	75	"	"	3	"
3	2	6	77.0	"	"	3		½	29.93	74	72	71	75	"	"	5	"
4	3	1	74.1	S E by S	E by N	2		½	29.93	74	72	71	75	"	"	4	"
5	2	6	76.7	S S E	E by N	2		2	29.93	74	75	72	75	"	cumulus	2	"
6	1	7	78.4	S E by E	East	1-2			29.93	74	73	72	75	"	"	4	"
7	0	3	78.7	South	South	1-2			29.93	74	73	72	75	"	"	7	"
8	0	2	78.9	W. by W	S S W	1-2			29.95	75	74	73	75	"	"	5	"
9	2	0	80.9	East	West	2			29.97	75	74	72	76	"	cumulus	8	"
10	2	1	83.0	"	"	3			29.94	76	75	73	76	"	"	7	"
11	3	6	86.6	"	"	3			29.96	78	76	73	76	"	cumulus	7	"
Noon.	3	7	90.5	"	"	3			29.95	78	76	72	76	"	"	7	"
P. M.																	
1	4	7	95.2	East	West	3			29.91	77	76	72	75	b c	cir cumu	7	
2	5	8	1.0	"	"	3			29.94	77	76	72	75	"	"	6	"
3	4	9	5.8	E by S	"	4			29.92	78	76	72	75	"	"	5	"
4	6	7	12.5	"	"	4			29.94	78	76	71	75	"	"	5	"
5	6	4	18.9	"	W. by N	4			29.94	77	75	72	75	"	"	4	"
6	6	6	25.5	"	W. N. W	4			29.93	76	74	72	75	"	b. cumulus	2	"
7	6	6	32.1	"	"	4			29.94	75	74	71	75	b c	cir cumu	3	"
8	4	5	39.6	"	"	4			29.95	75	73	71	75	"	"	5	"
9	2	3	46.9	"	N W by W	5			29.94	75	73	70	76	"	cumulus	8	"
10	8	2	56.1	"	N. W	5-6			29.98	75	73	71	76	b c g	"	8	"
11	9	1	64.2	"	N. by W	5-6			29.98	74	71	70	76	b c	"	8	"
Mid.	8	5	72.7	"	"	5-4			29.99	73	71	70	76	"	"	8	"

Course and distance made good since preceding noon by observations, E 43° S 81 knots. tenths.

Position at Noon: Latitude by D. R. N 31 ° 59 ' 36 "
Longitude by D. R. E 150 ° 30 ' 00 "
Latitude by observations of ⊙ N 32 ° 00 ' 30 "
Longitude by chronometer from Forenoon Observations of ⊙ E 150 ° 15 ' 00 "

Position at 8 a. m.: Latitude by D R N 31 ° 59 ' 36 "
Longitude by " E 149 ° 46 ' 00 "

Position at 8 P. M.: Latitude by " N 31 ° 46 ' 30 "
Longitude by " E 150 ° 50 ' 00 "

Current during the time, knots tenths per hour, setting to the n.g

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head n.g ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " n.g ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat 31°59'36 Long 150°15' E 1 ° 00 ' 00 "

Variation of the Compass by Azimuth ⊙ observed at 4 P.M. " " 31°59'24 " 150°34' E 1 ° 00 ' 00 "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at Noon, 2400 "

Coal consumed during the preceding 24 hours, tons 1440 lbs.

Coal remaining on hand at Noon, 93 " 1496 "

under the command of Commanders T. F. Jewell, U. S. Navy,

Sunday October 30th, 18 8 4.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at 4 A.M.

Generally clear & pleasant. Light to gentle breze from N.E by E. & E.N.E. Steering from W by under plain sail to t'gallant sails. Ship working easily to moderate seas from N.E.

From 4 to 8 A.M.

Generally cloudy, clouds cumulus. Rain squalls showing on Westerly horizon. Smooth sea, with long N.E. swell. Ship working about a great deal. Light airs to breze from E by N & East first part shifting to South & S.W. at 6 o'c took in mainsail. At 6 30, wore ship, finished at 7 o'c. At 7 30, set mainsail. At 8 o'c, hove ship to picking up grough log which had blown overboard. Ship making comfortable head, under plain sail to t'gallant sails.

E. W. Bispham Asst Surgn U.S.N.

From 8 A.M. to Meridian

Clear, warm & pleasant weather. Cumulus clouds around horizon. Light increasing to gentle breze from East. Smooth sea. Grub issued from N.Y.P. at 8 o'c hoisted life boat & filled away. At 10. 15 crossed royal yards. Bent new fore sail one having carried away on the foot. Course East. Plain sail to royals except mainsail spanker, flying jib & f. t. staysail. At 9. 30 mustered at quarters & immediately after held Divine service. P.E. No 5

F. J. Loomis Asst Surgn U.S.N.

From Meridian to 4 P.M.

Clear & pleasant weather. Moderate breze from West. Passing cumulus clouds. Log passed with an occasional long swell from N. At 2 o'c changed course to E.S.E. Set flying jib, hee clew of mainsail & spanker.

E. Galloway Asst Surgeon U.S.N.

From 4 to 6 P.M.

Generally cloudy with moderate breze from W by N & W.N.W. At 5. hauled down jib & flying jib & hauled up hee clew of mainsail. At 5. 40 took in royals to a rain squall from W.N.W. Course E.S.E.

L. S. T. Howth Lieut U.S.N.

From 6 to 8 P.M.

Partly clear & pleasant. Moderate breze from W.N.W. At 6. set royals. Course E.S.E. under all square sail except mainsail.

W. B. Bispham Asst Surgeon U.S.N.

From 8 P.M. to Midnight

Generally clear, bright moonlight. Clouds cumulus. Stiff breze from W by N. First hour, shifting to N.W. in stiff to fresh breze & at 10 o'c to N by W. in a moderate squall, falling to moderate breze occasionally last hour. Moderate sea from N.W. Ship easy. At 8 o'c, set f. t. staysail. At 9 o'c took in royals and set mainsail jib & spanker. At end of watch under plain sail to t'gallant sails, on course E.S.E.

E. M. Powers Asst Surgeon U.S.N.

Examined and found to be correct.

Theo. D. H. Mayo 2nd Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,
at Sea making passage to the Carolina Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	2	81.4	E by S	North	4			30.00	73	69	66		b.c.	cu cum	4	
2	8	2	89.6	"	"	4			30.01	73	68	66		"	"	4	"
3	8	0	97.6	"	"	3-4			30.01	73	69	65		"	cirri	3	"
4	7	5	105.1	"	"	3-4			30.01	72	69	65		b.c.	"	4	"
5	8	6	113.7	"	"	4			30.03	73	68	66		b.c.	"	5	"
6	8	0	121.7	"	"	5			30.05	73	68	64		b.c.	"	4	"
7	8	0	129.7	"	"	5			30.08	73	69	64		"	cu cum	4	"
8	8	0	137.7	"	"	5			30.12	73	69	64		"	cir, cu cum	4	"
9	8	1	145.8	"	"	5			30.14	73	69	64		"	cu nim	5	"
10	8	4	154.2	"	"	5			30.15	73	68	64		"	"	6	"
11	8	0	162.2	"	"	4-5			30.15	74	69	64		"	"	5	"
Noon.	7	0	169.2	"	"	4-5			30.15	74	68	64		"	"	4	"

Course and distance made good since preceding noon by observations, P.L. E 25° S 178 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 30 ° 48 ' 18 "
- Longitude by D. R. — E 153 ° 05 ' 00 "
- Latitude by observations of ⊙ — N 30 ° 41 ' 18 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 153 ° 31 ' 00 "

Position at 8 a. m.
- Latitude by D R — N 30 ° 00 ' 18 "
- Longitude by 00 — E 152 ° 31 ' 00 "

Position at 8 P. M.
- Latitude by 00 — N 30 ° 09 ' 28 "
- Longitude by 00 — E 154 ° 38 ' 00 "

Current during the time, knots tenths per hour, setting to the N.g

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head N.g ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " N.g ° ' "

Variation of the Compass by Azimuth ⊙ observed at Sun "[illegible] E 2° 00' 00 "

Variation of the Compass by Azimuth ⊙ observed at [illegible] "[illegible] E 2° 20' 00 "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2400 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 93 " 1096 "

P. M.																
1	8	4	177.6	E by S	North	5			30.14	73	69	68		b.c.	cu nim	4	
2	8	8	86.4	"	"	5			30.14	73	69	68		"	cum	4	"
3	8	7	95.1	"	N by E	5			30.14	73	69	68		"	"	6	"
4	8	7	103.8	"	"	5			30.14	74	69	68		"	"	6	"
5	8	1	11.9	"	N by E	5			30.14	74	69	68		"	cu nim	4	"
6	7	6	19.5	"	N E by N	4-5			30.13	74	69	68		"	"	2	"
7	7	9	27.4	"	"	4-5			30.17	74	69	68		"	"	2	"
8	7	7	35.1	S E by E	"	4-5			30.18	74	69	68		"	"	3	"
9	7	7	42.8	"	"	5			30.20	74	69	68		"	"	3	"
Squa NW 10 St Lat 30 N	10	7	3	50.1	"	"	5			30.22	74	69	68		"	"	2	"
	11	7	2	57.3	"	"	4			30.22	74	69	68		"	"	1	"
Long 155 E	Mid.	6	8	64.1	S E 1/2 E	N E	4			30.22	74	69	68		"	"	1	"

under the command of Commander T. F. Jewell, U. S. Navy,

Monday October 31st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Mod. Cutter & A.M.

Fair & clear weather. Cumulus & cumulus clouds with light passing showers. Third hours of watch. Bright moonlight. Moderate breeze decreasing at short intervals to gentle breeze from North. Moderate sea & swell from N.E. Observed two well defined lunar rainbows. Ship rolling easily. Plain sail to topgallant sails, watch & quarter. Course E by E. P.L. 5.1.

T. F. Jewell
Com'dr U.S.N.

From 4 to 8 A.M.

Fair cool & pleasant. Stiff breeze from North. Sea smooth with moderate swell from N.E. All plain sail watch, royals & quarters. Barometer rising rapidly. First hour, light rain squall passed astern.

E. D. Galloway
Lieut U.S.N.

From 8 A.M. to Meridian.

Weather pleasant. Stiff breeze from North, moderating slightly latter half of watch. Moderate sea from North. At 9.15 set royals. At 9.30 mustered at quarters & exercised Gun & Powder Divisions at Stations. Overhauled magazine & shell room, flood cocks. Course E by E.

A. F. Jewell
Lieut U.S.N.

From Meridian to 4 P.M.

Generally clear & pleasant. Light passing showers 2d hour. Stiff breeze from North & N by E. At 1.50 took in & furled royals. At 2.20 sloped down fore topsail yard & rebent fore sheet it having carried away. At 2.50 set fore topsail. Plain sail to topsails exc't quarters on course E by E at end of watch. Moderate sea from North.

W. P. Hoyt
Ensign U.S.N.

From 4 to 6 P.M.

Partly clear with cumulus & mixed clouds. Rain rose over cloud bank at 5h. Stiff breeze from N.N.E. (1st hour), shifting to N.E by N & failing occasionally to moderate breeze last hour. Moderate sea from N.N.E, with heavy swell from North. Ship rolling deeply at times. At end of watch, made & plain sail to topsails on course E by E.

H. C. Poyneer
Ensign U.S.N.

From 6 to 8 P.M.

Partly clear, moonlight. Very light rain showers first hour. Stiff breeze from N.E by N. At 7. changed course to E.S.E by E. Plain sail to topsails exc't quarters. Moderate sea. P.L. 35.1

T. D. Lamson
Ensign U.S.N.

From 8 P.M. to Midnight.

Generally cloudy & cool. Moderate to stiff breeze from N.E by N. (wind last hour, the wind then being less steady in force & hauling to N.E by E. Sea smooth with occasional long swell. Steering fine & by S.E 1/2 E. last hour). Course S.E by E. Same sail. Moonlight.

E. D. Galloway
Lieut U.S.N.

Examined and found to be correct.

Theo. F. M. Mason
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	8	109	SE. 1/4 S	NE	3-4			29.22	73 1/2	67 1/2	68		b.	cir cum	2	
2	6	9	117.8	SE " 3/4 E	"	3-4		1/4	29.20	73 1/2	67 1/2	68		"	"	2	"
3	6	3	84.1	SE 3/4 E	"	3-4		1/4	30.20	73 1/2	66 1/2	68		"	"	3	"
4	6	4	90.5	SE 3/4 E	"	3-4		1/4	30.20	73 1/2	67 1/2	68		"	"	3	"
5	5	1	95.6	SE 1/2 E	"	4		1/4	30.21	73 1/2	68	68		"	cum nim	4	"
6	5	9	105.5	SE 1/2 E	NE by E	4		1/4	30.23	74 1/2	68	68		"	"	2	
7	6	9	11.5	SE 1/4 S	"	4		1/4	30.26	73 1/2	67 1/2	68		"	"	3	"
8	6	5	18.0	SE " 1/4 E	"	4		1/4	30.26	74 1/2	68	68		"	"	1	"
9	5	9	23.9	SE 1/4 E	"	5		1/2	30.24	74 1/2	69	69		"	"	3	"
10	5	9	33.8	SE " 1/4 E	"	5		1/2	30.28	74 1/2	69	69		"	cu "	2	"
11	5	6	41.4	SE " 1/2 E	"	5		1/2	30.28	76 1/2	68	68		"	cum	4	"
Noon.	5	5	47.1	SE 1/4 E	"	4-5		3/4	30.26	76 1/2	69	69		"	"	7	"

Course and distance made good since preceding noon by observations, S 49° E 117 knots tenths.

Position at Noon: Latitude by D. R. 28° 42' 40" N
Longitude by D. R. 155° 54' 00" E
Latitude by observations of ⊙ 28° 45' 55" N
Longitude by chronometer from Forenoon Observations of ⊙ 155° 46' 00" E

Position at 8 a. m. Latitude by Lunar 29° 03' 16" N
Longitude by Lunar 155° 36' 00" E

Position at 8 P. M. Latitude by Lunar 29° 46' 32" N
Longitude by Lunar 156° 17' 00" E

Current during the time, knots tenths per hour, setting to the n.q.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head n.o. ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " n.o. ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. a.m. "SE 1/2 S by Lunar 155° 36' E 2° 39' 00"

Variation of the Compass by Azimuth ⊙ observed at 4 P.M. "SE 1/2 S by Lunar 156° 17' E 3° 00' 00"

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2100 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 93 " 696 "

P. M.																	
1	5	4	54.5	S E	NE by E	5		1/2	30.24	74 1/2	73 1/2	68		b.	cir cum bks	8	
2	6	8	61.4		"	5		1/2	30.22	74 1/2	73	68		"	"	2	"
3	6	8	68.2	SE " 1/4 S	"	5		1/2	30.21	75 1/2	73	69		"	"	2	"
4	6	5	74.7	SE 1/2 S	"	4		1/2	30.21	75 1/2	74	69		"	"	6	"
5	5	5	82.2	SE 1/2 E	NE " E	4-5		1/2	30.21	76 1/2	74	70		"	cir cum	6	
6	5	2	89.4		NE by E	4-5		1/2	30.21	76 1/2	74	70		"	"	5	"
7	5	0	94.3	SE by E 1/2 E	NE by E	4-5		1/4	30.26	76 1/2	74	69		"	"	2	"
8	5	0	104.3	SE by E 3/4 E	East	5		1/2	30.27	76 1/2	74	70		"	"	2	"
9	5	0	11.3	SE by E	"	4		1/4	30.27	76 1/2	76	70		"	cum nim	2	
10	5	3	18.6	SE by E 1/2 E	NE by E	5		1/4	30.26	76 1/2	76	70		"	"	2	"
11	5	2	25.8	S E	"	5		1/4	30.26	77 1/2	76	70		"	"	1	"
Mid.	5	0	33.1	"	"	5		1/4	30.25	77 1/2	76	73		b.	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,
Tuesday November 1st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M.

Cool & pleasant generally cloudy. Bright moonlight greater part of watch. Gentle to moderate breeze from N.E. By the wind on port tack. Moderate sea from West. Plain sail to topgallant sails except as stated.

T. F. Jewell
Lieut.

From 4 to 8 A.M.

Generally cloudy. Cool & pleasant. Moderate breeze from N.E. by E. Moderate sea on port quarter. By the wind on port tack until plain sail to topgallant sails.

A. W. Hoggatt
Ensign U.S.N.

From 8 A.M. to Meridian

Partly clear, with occasional cumulous clouds first part, cumulous clouds afterwards. Light to moderate breeze from N.E. by E. Moderate sea with long swell from N.E. Ship rolling easily. At 9a.m. mustered at quarters, after which Divided Ship's Company for Instruction, 2d Sig'l Sticks, Powder, Gratings & Harness, Rammed Cartridges. At 10a.m. carried away weather main topgallant sheet. Reefed it & passed sail. At end of watch under plain sails to topgallant sails, full & by on port tack, making S.E. & E. course S.E. by E. Quarterly Board of Survey condemned & recommended to be thrown overboard 2 Jacob's ladders & the same back received from Fleet Paymaster. E. To fire the letter B of Wm. Sanborn of Longfellow & Navy, Yokohama. Broke fast face off Deck clock accidentally.

E. M. Poynton-Stoke
Ensign U.S.N.

From Meridian to 4 P.M.

Clear & pleasant. Light breeze from N.E. by E. Moderating. Long swell from the N.E. Ship under plain sail to topgallant sails except fore topmast staysail and spanker. Exercised signal clerks at Arms & Naval Code of Signals. P.M.

F. Fromyer
Ensign U.S.N.

From 4 to 6 P.M.

Generally clear first hours. Cloudy with heavy cumulus clouds passing over with the wind last hours. Moderate to light breeze from N.E. by E. to E.N.E. increasing in force last hours. At 5. mustered at quarters. At 5.10 set down port side. Smooth sea. Long swell from N.E.

E. D. Galloway
Lieut. U.S.N.

From 6 to 8 P.M.

Weather cloudy with moderate to light breeze from E. by N. Ship rolling on port tack. Plain sail to topgallant sails & Spanker.

A. F. Dunlap
Lieut U.S.N.

From 8 P.M. to Midnight.

Cloudy & pleasant. Light rain showers last hours. Light breeze from East & E. by N. Moderate sea on port beam. Plain sail to topgallant sails except Spanker.

E. M. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

Theo. D. W. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage by the Carolina Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	12	10.3		SbyE½E	ENE	4-5		¼	30.23	"	"	76	72	79	b.c.	cum	4	Hd
2	12	11.5		SbyE½E	"	4-5		⅙	30.22	"	"	76	72	79	"	" cum nimb	3	"
3	16	22.1		S¾E	East	4-5		⅙	30.20	"	"	76	73	79	"	"	2	"
4	15	62.6		S½E	"	4-5		¼	30.19	"	"	76	73	79	c.b.	"	1	"
5	14	74.1		"	ENE	4		½	30.18	"	"	76	73	79	b.c.	cum	1	"
6	16	86.6		"	"	5		½	30.20	"	"	77	74	80	b.c.	"	0	"
7	12	98.3		S½E	"	5		½	30.24	"	"	78	73	80	b.c.	"	1	"
8	6	05	91.8	S½E	"	4		½	30.24	"	"	76	74	79	b.c.b.	cum nimb	2	"
9	14	11	06.2	"	East	4		½	30.26	"	"	78	74	80	b.c.	cir cum	4	"
10	16	12	22.8	NbyE½E	ENE	4		½	30.26	"	"	80	78	80	"	"	4	"
11	18	13	41.4	NbyE½E	"	4		½	30.24	"	"	81	80	81	"	"	5	"
Noon.	12	14	03.6	NbyE½E	"	4		½	30.23	"	"	81	80	80	"	"	5	"

Course and distance made good since preceding noon by observations, SE½E PL 166.5 knots tenths.

Position at Noon: Latitude by D. R. N 26 ° 26' 49"
Longitude by D. R. E 156 ° 29' 00"
Latitude by observations of ⊙ N 26 ° 24' 56"
Longitude by chronometer from Forenoon Observations of ⊙ E 156 ° 30' 00"

Position at 8 a. m. Latitude by D. R. N 26 ° 20' 49"
Longitude by " E 156 ° 23' 00"

Position at 8 P. M. Latitude by " N 26 ° 56' 02"
Longitude by " E 156 ° 39' 30"

Current during the time, knots tenths per hour, setting to the no

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head no ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " no ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m. "Lat D.R. N 26 ° 49' Long E 156 ° 23' 30° 00' "

Variation of the Compass by Azimuth ⊙ observed at 4 P.M. "No obs 30° 00' "

Water expended during the preceding 24 hours, 280 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1820 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 93 " 296 "

P. M.															
1	4	05	18.1	NbyE¼E	ENE	4		¾	30.22	80	79	76	81	b.c.	cir cum	6	Hd
2	05	4	23.5	NbyE½E	"	4		¾	30.18	80	79	76	81	"	"	6	"
3	02	28.4		NbyE¼E	"	4		¾	30.17	80	79	76	81	"	"	5	"
4	4	8	33.05	NbyE¾E	"	4		¾	30.17	80	79	76	81	"	"	05	"
5	05	0	38.05	NbyE½E	ENE	3		¾	30.18	79	78	76	80	"	"	2	"
6	4	8	43.8	NbyE¾E	ENE	3		1	30.19	79	78	76	79	"	"	2	"
7	2	4	46.5	NbyE¾N	"	2-3		1	30.22	79	78	76	79	"	cum nimb	2	Hd
8	2	4	49.9	NbyE½N	"	2-3		1	30.24	79	78	76	79	"	"	4	"
9	2	4	56.6		"	2		½	30.23	79	78	77	79	"	"	2	"
10	3	4	54.9	NbyE¼N	"	3		½	30.23	79	79	77	79	"	cir cum	8	"
11	2	9	56.9	NbyE½E	ENE	2-3		½	30.21	79	79	77	79	"	"	8	"
Mid.	3	05	60.4	"	"	3		½	30.22	79	78	76	79	"	"	8	"

under the command of Commander T. F. Jewell, U. S. Navy,

Wednesday November 2d, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A.M.

Generally cloudy, clouds cumulus & nimbus moving over from Eastward. Light passing showers last hour. Rogue observing occasionally. Moderate to stiff breeze from E by N 1/2 N, East & Eastward. Moderate sea from East, with long swell from E.N.E. Ship rolling deeply by the lee & at times. Afternoon & watch under plain sail to t'gall sails except spanker. Furled by on port tack, making good S. 1/2 E. course S. E. by E.

Lieut. Comdr. U.S.N.

From 4 to 8 A.M.

Clouds, cumulus & nimbus clouds, passing rain squall last hour. Moderate to stiff breeze from E by S. Close hauled on port tack with plain sail to t'gall sails & off spanker making good S 1/2 E except last hour when S by E. Moderate per log from E. P.L. 9.8

Lieut. U.S.N.

From 8 A.M. to Meridian

Fair & pleasant. Moderate breeze from E.N.E. shifting gradually to E.S.E. at 9a. when ship to the N.W. & E. at 9a. sound to Quarters & exercised 1st Div. Single Sticks, 2d Gun's 2d & 3d Powder Shakings. Bucket of Coal & handspike was broken during exercise. Ship pitching deeply at times into long swell from N.E. Boarding A. Guard, P.M. in Double irons for three days for neglect of duty.

Lieut. U.S.N.

From Meridian to 4 P.M.

Fair & pleasant. Moderate breeze from E.S.E. Moderate swell from E. Exercised signal class at Army & Navy Code of signals. Shifted port main t'gall sail & set same. Ship close hauled on starboard tack making about N.N.E. 1/2 E. course E. by S. Under plain sail to t'gall sails. At end of watch P.L. read 33.5.

Lieut. U.S.N.

From 4 to 6 P.M.

Fair & pleasant. Gentle breeze from E by S. at 5. cumulus clouds at quarters. Moderate sea from N.N.E. Furled by on starboard tack under plain sail to t'gall sails.

Ensign U.S.N.

From 6 to 8 P.M.

Partly clear with cumulus & nimbus clouds. Clouds moving from S.W. & E. Light to gentle breeze from E.S.E. Smooth sea, with long Easterly swell. Ship rolling & pitching easily. Moon rose at 6.35. Took in mizzen gaff t'gall sail at 6.45. At end of watch under plain sail to t'gall sails, by the wind on starboard tack, making good N.E. 1/2 E. course East.

Ensign U.S.N.

From 8 P.M. to Midnight

Clear & pleasant weather, cumulus clouds. Light increasing to gentle breeze from E.S.E. first half & E by S. last half. Furled by on the starboard tack, making good N.E. 1/2 N. to N.E. 1/2 E. Plain sail to t'gall sails. Bright moonlight. Smooth sea, gentle swell from E. P.L. 6.0

Ensign U.S.N.

Examined and found to be correct.

Thos. J. M. Mason
Lieut. U.S.N.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Sea running passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	2	2	62.4	N E ½ E	S E by E	1		½	30.24	80	79	76	78	b c	cu cum	4	S S L
2	2	2	64.6	N E by E	S E	1-2		½	30.23	80	79	74	78	b c	"	2	"
3	3	9	68.5	N E	S E	1-2		½	30.21	80	78	74	78	"	"	8	"
4	4	4	73.9	N E ¾ E	S E by S	2		½	30.20	79	78	74	78	"	cum	8	"
5	4	5	79.4	N E by E ¾ E	"	3		¾	30.22	79	78	74	79	"	"	8	"
6	4	4	83.8	N E ¾ E	"	3		¾	30.24	79	78	74	79	"	"	5	"
7	4	9	88.7	N E ½ E	S E	3-4		¾	30.25	78	78	76	79	"	cu cumb	6	"
8	3	9	90.6	N E ¾ E	"	4		½	30.26	79	78	75	79	"	"	2	"
9	4	4	95.0	N E by E	"	3		1	30.24	81	79	75	80	"	"	2	"
10	4	5	99.5	N E by E ½ E	"	3		¾	30.24	81	79	75	80	"	"	2	"
11	4	6	104.1		"	3		¾	30.24	81	80	78	79	"	"	2	"
Noon.	4	6	8.7	N E by E	"	3		¾	30.24	81	81	78	79	"	"	2	"

Course and distance made good since preceding noon by observations, N E ¾ N 91

		knots.	tenths.
Position at Noon:	Latitude by D. R.	N 24	° 35. 38"
	Longitude by D. R.	E 154	° 30. 39"
	Latitude by observations of ⊙	N 24	° 41. 00"
	Longitude by chronometer from Forenoon Observations of ⊙	E 154	° 28. 00"
Position at 8 a. m.	Latitude by	N 24	° 34. 22"
	Longitude by	E 154	° 12. 30"
Position at 8 P. M.	Latitude by	N 28	° 01. 12"
	Longitude by	E 154	° 55. 00"

Current during the time, knots tenths per hour, setting to the N. by

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head N. by ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset " N. by ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a. M. "N. E by E ½ E 41 24' 32" E by 15° 02' E 30. 25. 00"

Variation of the Compass by Azimuth ⊙ observed at 4 P. M. "N. E ½ E 109 45' 54" by 15° 31' E 30. 50. 00"

Water expended during the preceding 24 hours, 280 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1570 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 92 " 2136 "

P. M.																	
1	4	3	13.0	N E by E	S E	3		¾	30.22	81	80	74	79	b c	cu cumb stu	2	S S L
2	4	2	17.2	N E ¾ E	"	3		¾	30.18	81	80	76	79	"	"	6	"
3	3	1	20.3	N E ¼ E	"	2		¾	30.20	81	79	76	79	"	"	5	"
4	2	8	23.1	N E ½ E	S E by E	2		½	30.20	80	79	76	79	"	"	5	"
5	3	2	26.3	"	"	2		½	30.20	80	79	76	80	"	"	4	"
6	3	2	30.3	"	"	2		½	30.21	80	79	76	80	"	"	5	"
7	2	8	32.8		S E	1		½	30.22	80	79	74	80	"	cum nimb	2	"
8	4	1	36.9	N E by E	S E by E	2		½	30.20	82	79	76	80	"	cir	5	"
9	4	6	41.5	N E ½ E	S E	3		¾	30.22	80	79	74	80	"	cir cumb	6	"
10	4	4	45.9	"	"	3		¾	30.19	80	78	76	79	"	"	2	"
11	4	1	50.0		"	3		¾	30.20	79	78	76	79	"	cir	2	"
Mid.	3	9	53.9	N E ¾ E	"	3		¾	30.20	79	78	76	79	"		2	"

under the command of Commander T. F. Jewell, U. S. Navy,
Thursday November 29, 1883

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Centre A.M.

First hours fair with light passing showers. Wind light from S.E. at 1st winds shifts to South & became very light, then shifted to S.E. remaining so during the remainder of watch increasing to a moderate breeze. Sea smooth with long swell from N. Bright moonlight.

D.D. Galloway Lieut U.S.N.

From 4 to 8 A.M.

Fair & pleasant. Gentle to moderate breeze from S.E. by S. & moderate from S.E. at end of watch. Long swell from E.

C.A. Jewell Lieut U.S.N.

From 8 A.M. to Meridian.

Clear & pleasant. Gentle breeze from S.E. at 9.30 mustered crew at quarters, afterwards exercised 1st & 2d Cutters Sides at Rifles, 3d Div at Single Sticks & 2d Div at Instruction. Long swell from E.

Edwin Hooper Ensign U.S.N.

From Meridian to 4 P.M.

Partly clear, bright & warm. Clouds cirrus cumulus & stratus. Light to gentle breeze from S.E. Smooth sea with long S.E. swell. Ship easy. Exercised Jib. Drilled signal class at Mess Gear also Marine Guard at Skirmish Drill. Set flying Jib at 3 o.c. At end of watch under steam sail to Tops'ls & Jib, full & by on starboard tack, making E.S.E. Course East.

W. Conway Stockton Ensign U.S.N.

From 4 to 6 P.M.

Fair & weather. Light breeze from S.E. by E. Smooth sea. Full & by on the starboard tack making good N.E. by E. Course East. D.L. 30.3

F. Foote Ensign U.S.N.

From 6 to 8 P.M.

First hour heavy cumulus clouds moving over sky from N.W. & E. last hour clear with light cirrus clouds moving over from S.W. Sea smooth. Long swell from E.S.E. Hove to at 7½ Pumped ship out.

D.D. Galloway Lieut U.S.N.

From 8 P.M. to Midnight

Generally clear & pleasant. Bright moonlight. Gentle breeze from S.E. Plain sail to Topgallant sails. By the wind starboard tack.

C.A. Jewell Lieut U.S.N.

Examined and found to be correct.

Theo. B. M. Mason Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	0	57.9	NE ½ E	SE by E	3		½	30.18	78	78	76	80	bs	cirrocumulus	6	S.L
2	2	6	60.5			2		½	30.18	78	78	76	79	"	cirrocumulus	4	"
3	1	2	61.4	E by N	SE by S	2		½	30.16	78	78	76	78	"	cumulus	2	"
4	0	4	62.1	E ¼ N	S by E	1		½	30.15	78	78	78	78	"	"	3	"
5	3	1	65.4	NE	SE by E	2-3		½	30.16	78	78	78	78	"	cirrocumulus	6	"
6	4	3	69.5	NE ½ E		2-3		½	30.17	78	78	76	78	"	"	4	"
7	3	4	73.9	ENE ½ E	SE by E	2-3		3/4	30.18	78	78	76	78	"	"	4	"
8	3	4	77.6	NE by E ½ E		2-3		3/4	30.19	78	78	76	78	"	"	2	"
9	4	3	80.9	NE by E ¾ E	SE	3		½	30.19	78	78	78	78	"	"	2	"
10	3	9	84.8	ENE ¼ E	SE by E	2-3		½	30.19	84	84	82	82	"	"	2	"
11	4	0	88.8		SE by S	2-3		½	30.19	84	84	82	82	"	"	2	"
Noon.	4	3	93.1	E by N E	"	2-3		½	30.17	84	84	84	84	"	"	2	"

Course and distance made good since preceding noon by observations, NE ½ E 95 knots. tenths.

Position at Noon:
- Latitude by D. R. — 28 ° 33.06 "
- Longitude by D. R. — 158 ° 49.09 "
- Latitude by observations of ⊙ — 28 ° 41.29 "
- Longitude by chronometer from Forenoon Observations of ⊙ — 158 ° 51.09 "

Position at 8 a. m.
- Latitude by D. R. — 28 ° 36.4½ "
- Longitude by do — 158 ° 23.09 "

Position at 8 P. M.
- Latitude by do — 28 ° 43.09 "
- Longitude by do — 158 ° 51.09 "

Current during the time knots tenths per hour, setting to the N. 9

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head N. 2 ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " N. 9 ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. A. M. "NE by E ¼ E Lat 28° 26½' Lng E 158° 23' E 30 4½ 09 "

Variation of the Compass by Azimuth ⊙ observed at 4. P. M. "E. Lat N 28° 36' 9 Lng E 158° 56' E 30 50 00 "

Water expended during the preceding 24 hours, 289 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1269 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 92 " 1736 "

P. M.																
1	3	5	96.6	E ¼ E	SE by E	2		½	30.15	82	82	80	82	bs	cirrostratus	5	S
2	1	1	97.7	East	SE by E	1		2	30.13	82	82	80	82	"	"	3	"
3	1	4	99.1	"	SE by S	1		2	30.13	82	82	80	82	"	"	3	"
4	0	4	99.5	"	"	1		2	30.13	82	82	82	82	"	"	3	"
5				Steering away	Calm	0			30.13	82	82	82	82	"	cumulus	3	"
6				do	"	0			30.12	82	82	82	82	"	"	3	"
7				do	"	0			30.12	82	82	82	82	"	"	5	"
8				do	"	0			30.12	82	82	82	82	"	"	6	"
9				do	SE	0-1			30.13	78	78	78	78	"	cumulus	6	S.L
10				do	Calm	0-1			30.12	78	78	78	78	"	"	2	"
11	0	5	99.4	NE by N	SE by E	1			30.11	78	78	78	78	"	cirrocumulus	5	"
Mid.	0	2	101.4	E by N	SE by E	1-2			30.12	78	78	78	78	"	"	5	"

under the command of Commander F. F. Jewell, U. S. Navy,
Friday November 4th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.

Fair & pleasant. Gentle breeze to light airs from S.E. by E. to S.S.E. Smooth sea. Plain sail to topgallant sails.

W.H. Hoogewerff
Ensign U.S.N.

From 4 to 8 A.M.

Partly clear with cir-cumm & stratus clouds. Bright & pleasant. Light to gentle breeze from S.E. by E. to S.E. by S. Smooth sea with long easy S.E. swell. At 5m hauled down flying jib. At end of watch, under plain sail to tgallt sails, full & by on starboard tack, making good N.E. by E. ½ E. Course East.

W.C. Langfield
Ensign U.S.N.

From 8 A.M. to Meridian

Clear, warm & pleasant. Cirs cumm & strat clouds. Light to gentle breeze from S.E. & S.E. by S. Smooth sea, light swell from E. Full & by on the starboard tack under plain sail to topgallant sails making good about E.N.E. Quarter Board of Survey convened & recommended to be thrown overboard 3 lbs of Salmon bought at open purchase of Langfield & Hayes, Yokohama. Threw overboard 3 lbs Salmon. Exercised divisions as follows. 1st Div, single sticks 2d Div Infantry, 3d Div Stokers & Nav Div Skirmish & Spar. P.2 9.21

F. F. Jewell
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy & warm. Light airs from S by W. Light airs cloudy. At 1 exercised Marine Guard at bayonet Drill & Apprentices at Cutter & Navy Code of Signals.

C.S. Galloway
Lieut U.S.N.

From 4 to 6 P.M.

Cloudy, Calm & occ light airs from S & W to S.W. by W. Furled in P.2. Took in gaff mainsail & spanker, at 5. unbitted at quarter.

C.F. Secretan
Lieut U.S.N.

From 6 to 8 P.M.

Clearing. Calm. Occ light airs from S.W. & W. Telegraph wire

W.H. Hoogewerff
Ensign U.S.N.

From 8 P.M. to Midnight

Gen'ly clear & bright. Hazy latter part. Clouds cirr-cumm to cirr-cumm. Moon rose at 8.05. Calms, to light airs from S.E. to East, 1st part. Light airs from S.E. by E. to S.S.E, increasing occasionally last hour to light breeze. Sea smooth. Long easy swell from East. Ship rolling & pitching easily. Sails slatting against masts & rigging. At 10 ship gaines steerage way at 11 to, set spanker, & at 11.30 mainsail. Ship came up to course, East, at 11.30. At end of watch, under plain sail to tgallt sails, on course East.

W.C. Langfield
Ensign U.S.N.

Examined and found to be correct.

Thos. B. H. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				East	South	1			30.11	78	76	74	77	b.q	cir cumu strat	6	S
1	1	0															
2	9	8		"	"	1			30.11	78	76	73	77	"	"	4	"
3	9	5		"	"	1			30.09	78	75	73	77	"	cir cumu	3	"
4	9	4		"	"	1			30.09	78	76	73	77	"	"	5	"
5	9	5		"	SSW	0-1			30.09	78	76	73	77	"	"	4	"
6	8	5		"	SW	0-1			30.09	77	77	76	77	"	strat	4	"
7	9	5		"	SSW	0-1			30.11	77	77	76	77	"	"	5	"
8	1	0		"	SSW	1			30.12	78	76	74	77	"	"	2	"
9	9	5		"	SW	0-1			30.12	78	76	74		"	cir cumu	3	"
10	9	5		"	"	0-1			30.13	78	77	75		"	"	4	"
11			Rolleraye	Way	Calm	0			30.12	80	78	75		"	"	2	"
Noon.				09	SW	0-1			30.11	81	79	76		"	"	2	"

Course and distance made good since preceding noon by observations, NE by E 25 knots tenths.

Position at Noon:
- Latitude by D. R. N 28 ° 43' 59"
- Longitude by D. R. E 159 ° 06' 00"
- Latitude by observations of ⊙ N 28 ° 55' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ E 159 ° 14' 00"

Position at 8 a. m.
- Latitude by D. R. N 28 ° 43' 59"
- Longitude by D. R. E 159 ° 02' 00"

Position at 8 P. M.
- Latitude by D. R. N 28 ° 34' 30"
- Longitude by D. R. E 159 ° 32' 30"

Current during the time, knots tenths per hour, setting to the N. E.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head E by N Less 2 3/4 by Long E 159 E by N 00' 00"

Variation of the Compass by Amplitude ⊙ observed at Sunset, " N ° ' "

Variation of the Compass by Azimuth ⊙ observed at " N ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. A. M. " E 1° N Lat N 28° 43' Diff Long E 159° 02' E 00' 00"

Water expended during the preceding 24 hours, 289 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 989 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 92 " 536 "

P. M.														
1	9	9		Rolleraye	Calm	9	30.08	80	79	76	78	b.q	cir cumu strat	5
2	9	9		"	"	9	30.08	81	79	76	78	"	"	6
3	9	9		"	"	9	30.08	81	79	76	78	"	"	4
4	9	9		"	"	9	30.08	82	79	76	78	"	"	3
5	9	9	99.2	SE by E	E	9	30.08	82	79	76	79	"	cir cumu nimb	2
6	6	1	105.3	SE by E	East	1	30.06	79	78	75	78	c	cumu nimb	9
7	4	1	112.5	"	NE	3	30.04	78	75	74	78	b.c	nimb	9
8	4	2	20.3	"	NE by E	3	30.04	76	73	73	78	b.c	"	9
9	4	8	27.5	"	"	2	30.04	76	74	74	78	"	"	9
10	4	2	35.1	"	NE	1	30.04	76	74	73	78	"	cumu nimb	9
11	4	8	42.9	"	ENE	1	30.06	76	74	73	78	"	"	9
Mid.	4	5	50.4	"	ENE	1	30.05	76	75	74	78	"	"	9

Lat N 28° 43' Diff Long E 159° 02' E

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday November 5th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends H. & P.M.

Bright moonlight. Light airs from South. Parody cloudy but pleasant. On the starboard tack with plain sail to, light sails, heading course East. Sea smooth.

F. Toomis
Ensign U.S.N.

From H. to 8 A.M.

Fair and mild. Light airs from S.S.W. and S.W. Sea smooth. Same course same sail.

E. D. Galloway
Lieut U.S.N.

From 8 A.M. to Meridian

Fair and foggy. Calm and very light airs from S.W. to Starboard gig's part of watch at 8. Furled mains'l at 8.30 started fires in two boilers for distilling at 10.30 started fires in four main boilers. Airing Bedding.

A.F. Theobald
Lieut U.S.N.

From Meridian to 4 P.M.

Fair and pleasant. Calm smooth sea at 2.30 hauled fires from boilers 6 and 8 on account of leak in No 8 at 3. started fires in 2 and 8 by orders of the Commdg Officer released A.E. Kuhl P.M. from confinement his term having expired. Began distilling at 4 P.M.

E. W. Hogg
Ensign U.S.N.

From 4 to 6 P.M.

Squally cloudy. Clouds C.S. cumu, cumu nimbus. Rain clouds hanging down all around horizon. Calm 1st part, light airs from East afterwards. Smooth sea long Ebb swell. Shipped, at 5 P.M. took in fore and fore sail and t'gal sails. At 5.30 Steamer reports ready, started ahead one bell, took in fore and fore sail and head sails. At 6 P.M. set ahead slow bells and course S.E. by E. reading 99.2. Brought ship to course S.E. by E. at end of watch, on course S.E. by E. under steam alone. Distilling.

E. W. Hogg
Ensign U.S.N.

From 6 to 8 P.M.

Overcast and cloudy with drizzling rain. Light breeze from N.E. and N.E. by E. at 6.50 set fore and aft sail and foresail. Steaming with four boilers. Course S.E. by E. Distilling P.L. 20.3

F. Toomis
Ensign U.S.N.

From 8 P.M. to Midnight

Overcast with frequent rains. Wind light from N.E. until 11 P.M. then shifting to South and S.W. and rain. Took in fore and foresail, Hoisted about 9 P.M. At end of watch on course S.E. by E. Steam and fore and aft sails. Sea smooth.

E. D. Galloway
Lieut U.S.N.

Examined and found to be correct.

Theo. B. W. Mason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

On a Sea making passage to the Caroline Islands.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	5.9		SE½E	West	01			30.03	76	75	74	78	b.c.d.	cumulus	0	SL
2	7	1	65.0		ENE	1			30.01	76	75	74	78	b.c.	"	0	"
3	6	9	41.9		"	2			29.99	76	75	73	78	"	"	0	"
4	7	0	78.9		"	2			29.98	76	75	73	78	"	"	0	"
5	7	0	85.9		"	1			29.97	74	75	73	78	"	"	0	"
6	7	9	92.8		"	1			29.97	74	75	73	78	b.c.	"	1	"
7	6	6	99.5		"	2			29.99	74	76	73	78	b.c.	cb	0	"
8	6	5	106.0		NE	2			30.02	74	75	73	78	b.c.	cumulus	0	"
9	7	3	13.3		NNE	3			30.05	76	71	74	79	b.c.gl.	"	0	"
10	8	2	21.5		NE by N	3			30.04	75	71	71	79	b.c.	"	0	SL
11	7	0	28.5	SE½E	ENE	2			30.03	74	72	71	79	"	"	0	"
Noon.	6	2	34.7	"	E by N	2			29.98	75	72	71	79	b.c.	cumulus	1	"

Course and distance made good since preceding noon by observations, SE½S 135 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 27 ° 13 ′ 12 ″
- Longitude by D. R. — E 161 ° 04 ′ 39 ″
- Latitude by observations of ⊙ — N 24 ° 11 ′ 00 ″
- Longitude by chronometer from Forenoon Observations of ⊙ — E 160 ° 51 ′ 00 ″

Position at 8 a. m.
- Latitude by — N 24 ° 34 ′ 24 ″
- Longitude by — E 160 ° 45 ′ 30 ″

Position at 8 P. M.
- Latitude by — N 26 ° 35 ′ 12 ″
- Longitude by — E 161 ° 42 ′ 00 ″

Current during the time, knots tenths per hour, setting to the — na

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — na ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " SE½E Lat N 26 ′ 9 Long E 161 ° 36 ′ E 3a ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " na ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at 4 P.M. " SE½E Lat N 24 ′ 9 Long E 161 ° 14 ′ E 3a ° ′ ″

Water expended during the preceding 24 hours, 389 gallons.

Water Distilled during the preceding 24 hours, 1609 "

Water remaining on hand fit for use at Noon, 23009 "

Coal consumed during the preceding 24 hours, 11 tons 1020 lbs.

Coal remaining on hand at Noon, 80 " 1756 "

P. M.											
1	4	3	41.6	SE½E	NE	3	1/4	29.96	76	75	2 SL
2	8	2	49.8	"	"	4	1/4	29.95	76	73	3 "
3	7	6	57.4	"	"	4	1/4	29.95	76	73	3 "
4	7	9	65.3	"	"	4	1/4	29.94	76	73	5 "
5	8	1	73.4	"	NE by N	4	1/4	29.96	76	72	8 "
6	8	9	82.3	"	NNE	5		29.95	76	73	9 "
7	8	8	91.1	"	NE by N	4		29.96	76	73	8 "
8	9	3	100.4	"	"	4		29.98	76	74	8 "
9	9	1	9.3	"	NNE	4		29.94	76	74	7 "
10	8	9	18.4	"	"	4		29.94	74	74	6 "
11	8	8	27.2	"	"	4		29.96	74	74	6 "
Mid.	8	7	35.9	"	"	4		29.96	74	75	5 "

under the command of Commander T. F. Jewell, U. S. Navy,
Sunday November 6th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at M.

Generally cloudy with light drizzling rain during first hours. Light airs from variable during first hour then light breeze from E.N.E. at 2 to 4 took in fore and aft sail and at 3.00 set fore and aft sails. Distilling. Course S.E. by E.

Lieut.

From 4 to 8 A.M.

Overcast with light passing showers first three hours. Heavy rain last hour. Light airs and breeze from E.N.E. to N.N.E. at 6.00 took in main trysail and gaff topsail. Distilling. Smooth sea with moderate swell from the E.

Ensign

From 8 A.M. to Meridian

Cloudy and raining passing showers only last hour. Squally 1st hour with light to stiff breeze from North to E. then hauling to E by N. at end of watch light to moderate breeze. Clouds rising and cumulus. Sun showing occasionally last hour. Smooth to moderate sea with long Ebb swell. Ship generally steady. At 8.25 set main trysail, took in flying jib. at 9.0 set foresail and at 9.15 main topsail. at 10.15 took in main topsail and foresail. at 10.45, changed course to S.E. by S. P.C. 2 1/4. At end of watch, under steam and fore and aft sail on course S.E. by S. P.C. 3 to 9. Distilling.

Ensign

From Meridian to 4 P.M.

Fair, heavy cumulus and cumulus clouds to N.W. 4 to 6. Fresh breeze first hour increasing to moderate breeze from N.E. Smooth sea. Light showers from N.E. at 1. Called all hands make sail. Made sail to topsails. At 12.20 ship came up from S.E. by S. to course S.E. by S. Steaming. P.C. 6.5.3

Ensign

From 4 to 6 P.M.

Fair and pleasant. Stiff breeze from N.E. by N. and N.N.E. Smooth sea. Long swell from E.N.E. Plain sail to topgallant sails except mainsail. Steaming. Distilling.

Lieut.

From 6 to 8 P.M.

Clear and pleasant. Moderate breeze from N.E. by N. Steam and plain sail to topsails except mainsail. Course S.E. by E. Distilling.

Lieut.

From 8 P.M. to Midnight

Clear and pleasant with very light drizzling rain at times during first hour. Moderate breeze from N.N.E. at 10. Stopped Distilling and transferred fires to steaming boilers. Moderate swell from N.E. Under steam and plain sail to topsails except mainsail. Course S.E. by E.

Ensign

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	8	44.5	SE.½E	NNE	4-5			29.96	78	77	76	79	bc	cumc	2	
2	8	9	53.4	"	"	4-5			29.95	78	77	75	79	bcp	cum nim	3	"
3	9	5	62.4	"	"	5			29.93	78	77	75	79	bc	"	1	"
4	9	3	72.2	"	"	5			29.91	77	76	75	79	"	"	4	"
5	9	5	81.7	"	"	5		1/4	29.89	77	76	74	79	bcp	"	4	"
6	9	7	91.4	"	"	5		1/4	29.89	78	77	76	79	bc	"	2	"
Squar Alt 183 Lat 10 25 Long 163	7	10	0	101.4	"	"	5		1/4	29.91	78	77	75	79	"	"	6	"
	8	9	6	11.0	"	"	5		1/4	29.93	78	77	75	79	"	"	4	"
	9	9	7	20.6	"	"	5			29.93	79	77	75	79	bcp	cir cum	5	"
	10	1	2 5	29.4	SSE	"	4-5		1/4	29.92	80	78	76	79	bc	"	5	"
	11	2	6	39.0	"	"	5			29.92	80	78	76	80	"	"	5	"
Noon.	1	6	0	49.2	S½E	"	4			29.91	80	79	78	80	"	"	5	"

Course and distance made good since preceding noon by observations, SE.½S 209 knots tenths.

Position at Noon:
- Latitude by D. R. — N 1 24 ° 33' 00"
- Longitude by D. R. — E 163 ° 12' 00"
- Latitude by observations of ⊙ — N 24 ° 30' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ — E 163 ° 14' 00"

Position at 8 a. m.
- Latitude by D R. — N 25 ° 02 00"
- Longitude by " — E 163 ° 05 00"

Position at 8 P. M.
- Latitude by " — N 23 ° 28' 00"
- Longitude by " — E 163 ° 31' 00"

Current during the time, knots tenths per hour, setting to the n.a

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head n.a ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " n.a ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. A. M. "SE¼E Lat 25° Long E 163° 2' E 6 ° 10' "

Variation of the Compass by Azimuth ⊙ observed at 4 P M "SSE on 2309 on 163 22 E 6 ° 25' "

Water expended during the preceding 24 hours, 280 gallons.

Water Distilled during the preceding 24 hours, 640 "

Water remaining on hand fit for use at Noon, 2650 "

Coal consumed during the preceding 24 hours, 8 tons 1280 lbs.

Coal remaining on hand at Noon, 72 " 476 "

P. M.																	
1	7	8	52.1	SSE	NE	4-5			29.89	80	79	78	80	bc	cir cum	4	
2	8	1	60.5	"	"	4-5			29.87	81	80	78	80	"	"	4	"
3	8	9	68.5	"	"	4-5			29.85	81	79	77	80	"	"	4	"
4	7	9	76.4	"	"	4			29.85	81	79	77	80	"	"	4	"
5	7	8	84.2	"	NNE	5			29.86	81	79	77	80	"	"	5	"
6	7	9	92.1	"	"	5			29.87	81	80	77	80	"	"	5	"
7	8	2	100.3	"	NE by N	4-5			29.87	80	79	77	81	bc	cumc	4	"
8	7	6	7.9	"	NE	4-5			29.86	80	79	77	81	bc	"	4	"
9	8	1	16.0	"	"	4			29.88	80	79	77	81	bc	"	2	"
10	7	8	23.8	"	"	4			29.89	80	79	77	81	"	"	2	"
11	7	5	31.3	"	"	4			29.89	80	79	77	80	"	"	2	"
Mid.	7	5	38.8	"	"	4			29.88	80	79	77	80	"	"	6	"

under the command of Commander T. F. Jewell, U. S. Navy,
Monday November 7th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.

Partly clear. Occasional bright moonlight. Cumulus & mixed clouds coming over from N.E. Passing showers 2d hour. Moderate to stiff breeze from N.N.E. Moderate sea & swell from N.E. Ship knocking about uncomfortably. At end of watch, under plain sail to tgt sails, except mainsail, on course S.E. by E.

T. C. Squires
Ensign U.S.N.

From 4 to 8 A.M.

Cloudy around horizon, clear overhead with bright moonlight. Light rain squalls first hour. Stiff breeze from N.N.E. Moderate sea & swell from N.E. Plain sail to tgt sails. Steaming with four boilers. Course S.E. by E. P.L. 11.0.

T. D. Loomis
Ensign U.S.N.

From 8 A.M. to Meridian.

Cloudy, clear & pleasant. Light rain squalls passed over first hour. Sea smooth. Moderate swell from East. Stiff to moderate breeze from N.N.E. at 9h 0m changed course to S.S.E. at 9h 2m stopped engines. Uncoupled screw. Hauled fires & lowered stack. At 9h 3m crossed royal yards. Set royals & flying jib. At 10h 30m set mainsail. At 9h 0m went to quarters. Exercised 1st & Powder Division 2m. Cloudy. Instructing.

E. Galloway
Lieut U.S.N.

From Meridian to 4 P.M.

Clear & pleasant. Moderate to stiff breeze from N.N.E. all plain sail on course S.S.E. Instructing Port watch of Apprentices in Signals.

A. F. Jeckyll
Lieut U.S.N.

From 4 to 6 P.M.

Partly clear, pleasant. Stiff breeze from N.N.E. all plain sail on course S.S.E. at 5. unbuttoned cross at quarters. Moderate sea.

W. B. Taggart
Ensign U.S.N.

From 6 to 8 P.M.

Partly clear with cumulus & mixed clouds passing over from N.E. Occasional light squalls, accompanied by passing showers 1st hour. Moderate to fresh breeze & squalls from N.E. by N. 1st hour, shifting to N.E. last hours & moderate to stiff breeze. Frequent lightning from S.E. to S.W. Moderate sea & swell from N.N.E. Ship rolling uneasily. At 6h 0m took in & furled royals & flying jib. At 7h 0m carried away weather main tgt sail sheet, unbent it & bent new one. At end of watch, under plain sail tgt sails on course S.E.

H. C. Fauntleroy
Ensign U.S.N.

From 8 P.M. to Midnight

Fair & clear weather. Cloudy & mixed clouds around horizon lightning to S.E. Moderate breeze from N.E. Moderate sea & swell from N.E. Ship rolling moderately. Plain sail to tgt sails heading course S.S.E. P.L. 388.

T. D. Loomis
Ensign U.S.N.

Examined and found to be correct.

Theo. B. H. Mayon
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	8	46.6	SSE	NE	4			29.86	80	72	68	80	bcqlp	cu cumb	3	
2	6	6	52.2	"	"	3			29.84	80	72	68	80	bclq	"	5	"
3	8	1	60.3	"	"	4			29.84	80	72	68	80	"	"	3	"
4	7	2	67.5	"	"	4			29.83	80	72	68	80	"	"	3	"
5	7	0	74.5	"	"	4			29.83	80	72	68	80	bc	"	4	"
6	7	0	81.5	"	"	4			29.84	80	74	68	80	bclp	cum	3	"
7	7	4	88.9	"	NE	4-5			29.86	80	76	75	81	bc	cicumu	5	"
8	6	7	95.6	"	NE by E	3-4			29.84	80	72	72	81	bcl	"	5	"
9	6	9	102.5	S " E	NE	4		1/4	29.88	82	81	74	81	bc	cum nim	5	"
10	4	5	7.0	S by E	S	3		3/4	29.89	80	76	78	81	bcl	"	1	"
11	3	8	10.8	S by E 1/4 E	East	3		1	29.84	81	80	78	81	"	"	8	"
Noon.	4	8	15.8	S by E 3/4 E	"	3		1	29.84	81	80	78	81	bc	"	2	"

Course and distance made good since preceding noon by observations, S 3/4 E 163 knots tenths.

Position at Noon:
- Latitude by D. R. — N 21 ° 59 ' 00 "
- Longitude by D. R. — E 163 ° 54 ' 00 "
- Latitude by observations of ⊙ — N 21 ° 49 ' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 163 ° 39 ' 00 "

Position at 8 a. m.:
- Latitude by D R — N 22 ° 02 ' 00 "
- Longitude by " — E 163 ° 54 ' 00 "

Position at 8 P. M.:
- Latitude by " — N 21 ° 32 ' 00 "
- Longitude by " — E 163 ° 42 ' 00 "

Current during the time, knots 5 tenths per hour, setting to the West

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — n.o ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — n.o ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a. M. " SSE Lat N 22 00 Long E 163 35 E 6 ° 45 ' "

Variation of the Compass by Azimuth ⊙ observed at 4 P. M. " SSE on 21 44 on 163 41 E 6 ° 45 ' "

Water expended during the preceding 24 hours, 289 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 23 1/2 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 72 " 76 "

P. M.																	
1	3	1	18.9	S by E 1/4 E	East	2		3/4	29.84	81	80	78	81	bc	cu cumu	6	
2	2	6	21.5	S by E 3/4 E	E by N	2		3/4	29.84	82	80	78	81	"	"	2	"
3	2	6	24.1	S by E	"	2		1/2	29.83	82	80	78	81	"	"	2	"
4	2	9	27.0	"	"	2		1/2	29.84	82	80	78	81	"	"	6	"
5	3	4	30.4	S " E	E by N E	2		1/2	29.86	82	80	78	81	"	"	5	"
6	3	1	33.5	S by E	East	2		1/2	29.86	81	80	78	81	"	"	5	"
7	2	9	36.4	South	"	0-1		1/2	29.84	81	80	78	81	bcl	"	2	"
8	2	6	39.0	"	"	1		1/2	29.88	81	80	78	81	bclp	"	8	"
9	2	4	41.4	S " E	S " E	1-2		1/4	29.91	81	80	78	81	"	cumulus	4	"
10	2	1	43.5	N by E	S " E	2			29.92	80	78	76	81	bclp	"	2	"
11	2	4	46.3	S " E	East	2-3			29.92	80	78	76	81	"	"	5	"
Mid.	5	6	49.5	S by E 1/2 E	E by N	4			29.92	79	78	76	81	"	"	3	"

under the command of Commander T. F. Jewell, U. S. Navy,
Tuesday November 8th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Curtis H. M.

Unmoored first part with passing rain squalls. Wind variable in force, shifting from E. by S. to S. by E. then back to E. by S. becoming steady. Employed getting passing vessel with wind. Lightning about horizon from S. W., South & S. E. & East. Smooth sea with long swell from E. by S. Weather much settled last hours. Bright range lights. At 12 30 took in spanker & mainsail. At 1 30 set mainsail. At 4 on course S. by E., plain sail to t'gallant sails except spanker.

T. G. Galloway
Lieut. U. S. N.

From 4 to 8 A. M.

Weather pleasant. Partially cloudy. Passing showers during watch. Lightning to S. first half of watch. Gentle to moderate breeze from N. E. & N. E. by E. At 6 00 set royals & fitting for course S. by E.

T. A. T. Doughty
Lieut. U. S. N.

From 8 A. M. to Meridian

Partly clear with light passing showers first three hours. Moderate to gentle breeze from E. by E. to E. by S. At 9.30 mustered crew at quarters & inspected arms & accoutrements. Exercised 3d Cutter, 2d Engineer Division & Skirmish Drill. Fire, Artillery & Infantry Instruction in Gunnery & 2 Sig. Drills. At 9.45 set spanker. At end of watch under plain sail to royals except gaff topsail. Steering free & by compass. Smooth sea.

Wm. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P. M.

Partly clear with cirro cumulus clouds. Bright & pleasant. Light breeze from East 1st hour E. by S., afterwards smooth sea with moderate ragged swell from N. E. Ship came to the wind 20 minutes when she came up to course S. by E. Drilled apprentices at target below at signals & Marine Guard at Infantry. At end of watch on course S. by E., under plain sail to royals.

A. C. Pennington
Ensign U. S. N.

From 4 to 6 P. M.

Fair to clear weather. Light breeze from E. by S. first hour & East last hour. Plain sail to royals heading course S. by E. until 5.15 when hove to & making good S. by E. Smooth sea, light swell from N. E.

H. J. Hoogewerff
Ensign U. S. N.

From 6 to 8 P. M.

Clear & mild. Light breeze from East. Lightning about horizon from South to East. Light bank of clouds about horizon to the S. & West. At 7 furled royals & shortened fitting for sea. Smooth. Ship making course S. by E.

T. G. Galloway
Lieut. U. S. N.

From 8 P. M. to Midnight

Cirrus clouds with occasional lightning to E. & light breeze from East first hour of watch. At 9 took in mainsail & spanker. At 9.30 a pair squall from S. E. headed ship off to S. W. Wore ship. At 11 came out E. N. E. Wore ship & headed course S. E. At 11.40 pair squall from S. & by E. headed ship off to S. W. Moderate breeze from N. N. E.

A. T. Dunlavy
Lieut. U. S. N.

Examined and found to be correct.

W. M. Wilson
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	0	54.6	S SW	E SE	3.6		½	29.89	74	76	74	81	o clrg.	cumulus	9	
2	1	2	55.7														
		6	62.3	N NE ½ E	"	3.5		½	29.84	78	76	74	81	"	"	9	"
3	2	4	69.4	N. E	SE	3.4		½	29.88	77	76	74	81	"	"	9	"
4	4	3	64.9	E ½ N	S S E	3.6		½	29.89	77	76	74	81	"	"	9	"
5	3	3	64.3	East	S by E	3.4		¾	29.86	74	76	76	81	beg sql.	cir cumulus	3	
6	3	2	70.5	E ½ N	S SE	3.4		¾	29.88	74	76	75	81	beg.	cumulus	4	"
7	3	4	73.9	E by N.	"	3		¾	29.94	79	77	76	81	b.	"	4	"
8	2	7	76.6		"	3.2		¾	29.94	79	79	74	81	"	"	5	"
9	3	0	79.6	E N E	"	3		¾	29.99	79	79	78	81	b. cg.	cumulus	8	"
10	4	9	84.5	N N E	"	3.5		½	29.99	76	74	73	81	o. cgr.	cumulus	0	"
11	2	3	86.8	N E	"	4		3	29.96	78	74	74	81	beg.	cir cumulus	3	"
Noon.	1	0	87.8	E by N.	"	4		4	29.93	79	78	76	81	b.	"	3	"

Course and distance made good since preceding noon by observations, S E by E 26 knots tenths.

Position at Noon:	Latitude by D. R.	N 21 ° 31' 00"
	Longitude by D. R.	E 164 ° 05' 00"
	Latitude by observations of ⊙	N 21 ° 38' 00"
	Longitude by chronometer from Forenoon Observations of ⊙	E 164 ° 19' 00"
Position at 8 a. m.	Latitude by D R	N 21 ° 22' 00"
	Longitude by do	E 163 ° 59' 00"
Position at 8 P. M.	Latitude by do	N ° ' "
	Longitude by do	E ° ' "

Current during the time, knots tenths per hour, setting to the N. a

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head N. a ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " N. a ° ' "

Variation of the Compass by Azimuth ⊙ observed at " N. a ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. a M. " E 3/4 N Each Az in Long 163° 55' E 6 ° 45' "

Water expended during the preceding 24 hours, 280 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2090 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 71 " 1916 "

P. M.																
1	a	5	88.3	E ast	South	4	4	29.89	80	79	81	b.	cumulus	3		
2	a	8	89.1	E ½ S.	"	3	4	29.90	81	80	79	81	"	cumulus	5	"
3	a	4	89.3	E ½ S.	"	3	5	29.90	81	80	79	81	"	"	5	"
4	a	4	89.7	East	S by E	2	8	29.91	81	80	79	81	"	cir	3	"
5	a	4		E by N.	"	3	6	29.93	82	78	80	81	"	"	3	"
6	a	2		"	"	3	6	29.95	82	78	80	81	"	cumulus	4	"
7	a	5		"	"	4	8	29.95	82	78	80	81	b. cl.	"	6	"
8	a	5		"	"	4.6	8	29.95	81	78	80	81	b. cg. d	"	4	"
9	1	0		East	"	3.5	4	29.96	81	80	80	81	"	cumulus	4	"
10	a	5		E by S.	South	2.4	5	29.98	81	80	80	80	"	"	4	"
11	a	5		E S E.	S by W	2.4	5	29.98	81	80	80	80	b. cg.	"	5	"
Mid.	a	5		E S E	"	2.4	5	29.97	81	79	80	80	"	"	4	"

under the command of Commander T. F. Jewett, U. S. Navy,
Wednesday November 9th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M.

Overcast, squally with heavy rain. Lightning to the S'd & E'd. Gentle to fresh breeze from E. by S. to S. by E. at 1.15 wore ship. At 2.30 cleared up & split sails. At end of watch steering from W.N.W. under topsails foresail, jib & fore & main staysails. Moderate swell.

W. B. Hoggatt
Ensign U.S.N.

From 4 to 8 A.M.

Generally cloudy. Clouds cirro-cumulus & cumulus moving over from S.E. Clearing latter part. Gentle to moderate breeze in light squalls from S. by E. & S.S.E. At part with lightning from N.E. to S.S.E. passing showers 1st hour. Gentle to light breeze from S.S.E. latter part. Moderate sea from S.S.E. with long easy swell from N. by E. Ship steering about considerably. At 6 set spanker. At 7 set main sail & split sails. At end of watch gave the word to stand on starboard tack, under plain sail to split sails, making good E. by N. Course S.S.E.

W. B. Hoggatt
Ensign U.S.N.

From 8 A.M. to Meridian

Cloudy weather with heavy rain squalls during second & third hours. Gradually increasing at times to moderate & stiff breeze from S.S.E. Took in main sail, spanker and split sails & gave ship sea room. At 10.10 called all hands reef topsails. Got two single reefs in topsails, furled fore & main sails & sent down royal yards. Ship at end of watch under reefed plain sail, fore topmast staysail & main trysail making good E. by N. Moderate sea. P.L. 8 & 8.

H. Toomis
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy & unsettled weather. Moderate breeze from South becoming light after first hour. Moderate to smooth sea. Exercised signal clerks. Sounded small tubes. At end of watch lying to, heading East, drifting slowly North. Lower clouds moving with wind. Upper cirrus clouds apparently stationary.

E. D. Galloway
Lieut U.S.N.

From 4 to 6 P.M.

Generally cloudy. Gentle breeze from S.S.E. Lying to under fore topmast staysail double reefed, main topsail & main trysail, heading E. by N.

A. F. Fogarty
Lieut U.S.N.

From 6 to 8 P.M.

Partly clear. Squally with light passing showers last hour. Moderate breeze to fresh squalls from S.S.E. Lightning about horizon. Lying to under fore topmast staysail, main trysail & double reefed main topsail.

W. B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight

Partly clear with cumulus & cirro-cumulus clouds. Bright starlight. Frequent lightning all around horizon. Squally at first with fresh S.S.E. to South, varying in force from light to stiff breeze, wind veering to S. by W. latter part in light to moderate breezes. Smooth sea with long S.E. swell. Ship generally steady. Lying to on starboard tack under double reefed main topsail, fore topmast staysail & main trysail. At end of watch making good E.S.E.

H. Toomis
Ensign U.S.N.

Examined and found to be correct.

Thos. D. M. Mason
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3½ Rate,

At Sea making passage to the Carolina Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	10	Average	Same		SSE	3		8	29.90	80	79	78	80	b.cl.	cum & cumb	8	SL
2			do		"	3		8	29.92	80	79	78	80	"	"	2	"
3			do		"	3		8	29.96	80	80	78	80	"	"	3	MSL
4			do		S"	3-4		8	29.94	80	80	78	80	"	"	2	"
5	1	0		East	S by W	1-6		5	29.92	78	78	76	80	o.cl.rg.	cumb	0	SL
6	1	0		E"	S" E	1-6		5	29.94	78	76	76	80			0	"
7	1	0		E by N	S" E	2		5	29.96	79	74	76	80	b.	cir cum cumb str	3	"
8	1	0		E"	South	1		5	29.98	79	78	76	80	"		4	"
9	0	3	89.3	East	S by E	2		6	30.00	80	79	78	81	"	cir cum str	4	"
10	3	8	93.1	E N E ¾ E	S S E	3		¾	30.01	81	80	78	81	"	"	5	"
11	4	3	97.4	E ½ N	S by E	3		½	29.99	81	80	78	81	"	cir cum cumb	3	"
Noon.	5	4	102.8	"	"	3-4		½	29.94	82	81	79	81	"	"	3	"

Course and distance made good since preceding noon by observations, N E ½ E 36 knots tenths.

Position at Noon:
- Latitude by D. R. — N 21 ° 48' 00"
- Longitude by D. R. — E 164 ° 25' 00"
- Latitude by observations of ⊙ — N 22 ° 02' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ — E 164 ° 31' 00"

Position at 8 a. m.
- Latitude by — N 21 ° 48' 00"
- Longitude by — E 164 ° 25' 00"

Position at 8 P. M.
- Latitude by — N 22 ° 03' 00"
- Longitude by — E 165 ° 01' 00"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8a.M. " E by N with Long E 164 31' E 7 ° 00 ' "

Variation of the Compass by Azimuth ⊙ observed at 4 P.M. " E by N 22 03 00 164 52 E 7 ° 00 ' "

Water expended during the preceding 24 hours, 89 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1810 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 71 " 1516 "

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																		
	1	5	4	8.5	E ½ N	S by E	4		½	29.96	83	81	78	80	b.	cir cum	5	SL
	2	5	4	13.9	E ¼ N	"	4		½	29.94	83	81	78	80	"	"	8	"
	3	4	8	18.4	E ½ N	"	3		½	29.94	82	81	78	80	"	"	6	"
	4	4	1	22.8		S"	3		½	29.93	82	80	78	80	"	"	6	"
Squan	5	3	4	26.2	East	S"	3		¾	29.93	81	80	78	80	"	cumulus	8	"
N) 0 off	6	1	2	27.9	E ½ S	S by E	3-2		1	29.92	80	79	78	80	"	"	8	"
Lat 22.03	7	1	5	28.0	E ½ N	S S E	2		2	29.96	80	80	78	80	"	"	8	"
Log 165	8	1	8	29.5		S"	2		2	29.94	80	80	78	80	b.cl.	"	8	"
	9	4	3	33.8	E ¾ N	S by E	2		½	29.96	80	80	78	80	"	cum nimb	2	"
Squan N) 083	10	2	9	38.4	S W ¾ W	S S E	2		½	29.96	80	79	78	80	"	"	2	"
Lat 22 N	11	4	4	43.0	S W by W ½ W	S by E	2-3		½	29.96	80	79	78	80	"	"	2	"
Log 165 E	Mid.	4	4	47.4	W. S W ¼ W	South	2-3		¼	29.94	81	79	78	80	"	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday November 10th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy unsettled weather. Rain squalls and lightning around horizon. Gentle breeze from S.S.E. Laying to with double reefed main topsail, fore topmast staysail and main trysail. Smooth sea. Moderate swell from South.

T. Toomey
Ensign U.S.N.

From 4 to 8 A.M.

During first hour stiff rain squall from South, overcast with rain second hour. Lightning about horizon to N.W. During remainder of watch weather unsettled. Wind light from South to S.S.E. and S. by W. Clearing to the East and South at sunrise. Smooth sea with moderate swell from South.

C.D. Galloway
Lieut U.S.N.

From 8. A.M. to Meridian

Weather pleasant. Generally cloudy. Gentle breeze from S.S.E. hauling to S. by E and freshening to a moderate breeze by end of watch. At 8 A.M. called all hands and made sail to light sails. At 9 A.M. inspected at quarters. Drilled 2d Div. at Pistols and the other Divisions at Skirmish Drill.

A.T. Long
Lieut U.S.N.

From Meridian to 4 P.M.

Generally clear. Pleasant. Moderate to gentle breeze from S. by E. The Marine Guard was exercised at Skirmish Drill and Signal Cloth at watch below at signals for one half hour. Full and by on starboard tack. Plain sail to light sails.

W.S. Hogan
Ensign U.S.N.

From 4 to 6 P.M.

Partly clear with cumulus clouds. Bright and pleasant. Gentle breeze from S. by E. 1st hour, falling to light breeze and veering to South last hour. Smooth sea with long E. by S. swell. At end of watch employed plain sail to light sails, full and by on starboard tack. Course S.S.E.

J.H.C. Pegram
Ensign U.S.N.

From 6 to 8 P.M.

Clear and pleasant weather. Light breeze from S.S.E. Lightning occasionally to W. Full and by on starboard tack with plain sail to light sails, making good E. by N. Course S.S.E. P.L. 2.5.

T. Toomey
Ensign U.S.N.

From 8. P.M. to Midnight

Clear and pleasant. Gentle breeze from S.S.E. and South. At 9 exercised ship to the Port and Starboard heading S.W. 3/4 W. At end of watch full and by heading W.S.W. 1/4 W. Sea smooth. Bright starlight.

C.D. Galloway
Lieut U.S.N.

Examined and found to be correct.

Theo. B. McLean
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

at Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	0	51.4	W. by W. 1/4 W.	S. by E.	3		1/2	29.94	81	79	77	80	b. cg.	cum	8	S. L.
2	3	4	55.1	W. by W.	"	3		3/4	29.94	81	79	74	80	"	"	8	"
3	3	9	59.0	W. by W. 1/2 W.	"	3		3/4	29.94	81	79	74	80	"	"	8	"
4	1	2	60.2	W. by W. 3/4 W.	S. by W.	3		3/4	29.94	81	80	78	80	"	cir. cum	4	"
5	2	5	61.4	S. by E. 1/2 E.	S. W. by W.	3		3/4	29.95	81	80	77	80	"	cum. nim.	5	"
6	1	4	64.1	S. by E.	S. W.	2		1	29.96	80	79	77	80	"	"	7	"
7	1	5	64.9	S. by E. 1/2 E.	S. W. by S.	1-2		2	29.98	80	79	77	80	"	"	7	"
8	1	5		S. E. by S.	S. by E.	1-2			29.99	81	80	78	80	"	"	5	"
9	3	9	65.5	S. by E.	W. by S.	2-3			29.99	80	78	76	80	b. cg.	cum. cir.	5	"
10	0	3	68.4	South	W. by N.	3-2			29.99	81	79	77	80	"	nim.	8	"
11	1	6	68.8	S. by E.	N. W.	2-3			29.98	82	79	77	80	"	cir. cum. nim.	8	"
Noon.	0	4	69.1	"	N. W. by W.	2			29.98	82	80	77	80	"	"	3	"
			70.5	"	W. by N.	2											

Course and distance made good since preceding noon by observations, S. E. 1/4 E. 15 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 21 ° 46' 00"
- Longitude by D. R. E. 164 ° 40' 00"
- Latitude by observations of ⊙ N. 21 ° 52' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ E. 164 ° 41' 00"

Position at 8 a. m.
- Latitude by N. 21 ° 63' 00"
- Longitude by E. 164 ° 42' 00"

Position at 8 P. M.
- Latitude by N. 21 ° 50' 00"
- Longitude by E. 164 ° 41' 00"

Current during the time, knots tenths per hour, setting to the n. e.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head n. e. ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " n. e. ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a. m. " S. E. by E. Lat N. 21 53 Long E. 164 41 E. ° 20' "

Variation of the Compass by Azimuth ⊙ observed at 4 P. M. " S. by E. 1/4 E. Lat N. 21 52 Long 164 41 E. ° 20' "

Water expended during the preceding 24 hours, 280 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1530 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 71 " 1116 "

P. M.														
1	0	4	70.5	S. by E.	W. N. W.	0-1	29.95	82	80	77	81	b. cg.	cir. cum.	5	S. L.
2	Reckoning				Calm	0	29.94	83	81	78	81	"	"	5	"
3					"	0	29.94	83	81	78	81	"	cir. cum. nim.	4	"
4					Variable	0-1	29.94	82	81	78	81	"	"	4	"
5	0	5		South	N. E.	0-1	29.94	82	81	78	81	b. cg.	"	4	"
6	0	5			East	0-1	29.96	81	79	77	81	"	"	3	"
7	0	5		S. by E.	N. E.	0-1	29.98	81	79	77	81	"	cum. nim.	3	"
8	0	3		"	"	0-1	29.98	81	79	77	81	b. c. s. l.	"	3	"
9	1	0		S. 1/2 E.	"	1	29.98	81	79	77	81	b. c. d. l.	nim.	4	"
10	1	5			E. N. E.	1	29.99	81	79	77	81	b. c.	cir.	4	"
11	1	5		S. by E.	"	1	29.98	81	79	77	81	"	cum. cir. nim.	5	"
Mid.	1	8		"	"	1	29.98	81	79	77	81	b. c. d.	cum. nim.	2	"

under the command of Commander T. F. Jewell, U. S. Navy,

Friday November 11th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.

Clear & pleasant. Bright starlight. Moon rose at 1h 0m. Gentle breeze from S.W. E. hauling to S. by W. at end of watch. At 3.20 wore ship. P.M. reading Gorham heeled over put up & got what by the wind on port tack. At end of watch by the wind on starboard tack.

Lieut

From 4 to 8 A.M.

Partly clear pleasant. Light airs to gentle breeze from S.S.W. by S. to W. by S. Furled sails on starboard tack.

Ensign

From 8 A.M. to Meridian

Partly clear with cumulus cirrus & cirro cumulus clouds. Warm. Light to gentle breeze from W. by N. veering to N. & W. & backing at end of watch to W. by N. again. Smooth sea, long swell from S.E. Ship knocking about considerably. At 9h 10m changed course to S. by E. 1/2 E. At 9h 20m wind to Fire Quarters all ready in 1st (except Engineers hose not used). At 9h 30m wind to Quarters for inspection, after which fired 1st division at single sticks 2d division bayonet exercise, 3d Skirmish Drill & Powder Division at stations. At 9h 40m took in Sunsails. At 9h 50m hauled up spanker clew of mainsail. Came to course (South) at 8h 55m. At end of watch on course S. by E. under plain sail to light sails, except mainsail. Rain squalls about noon.

Ensign

From Meridian to 4 P.M.

Fair & warm. Light airs from W.N.W. (first hour) then calm until last hour when variable light airs came out. At strokes way greater part of watch. Furled signal chest of watch below at Army & Navy code of Signals. Unrove & refitted mast ropes. Took in sunsail at 2.55. Course S. by E. At end of watch P.M. read 4.0. Ship under plain sail to light sails except courses & spanker.

Ensign

From 4 to 6 P.M.

Primarily clear with slow moving rain clouds about the horizon to N.E. & E. and South. Very light airs from N.E. & East. Light passing showers second hour. Sea smooth. Swell from East. Observed several rainbows.

Lieut

From 6 to 8 P.M.

Primarily cloudy. Occasional passing rain showers. Calm & very light airs from N.E. Ship barely forging ahead, on course S. by E. Plain sail to light sails except courses & spanker.

Lieut

From 8 P.M. to Midnight

Partly clear, pleasant with very light drizzling rain first & last hours. Light airs from N.E. to E.N.E. At 8 cleared up light sails. At 9.50 set courses, top gallant sails & spanker. At end of watch on course S. by E. plain sail to top gallant sails. Smooth sea.

Ensign

Examined and found to be correct.

Theo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	2	0	21.1	S by E	East	1-2		1	29.95	80	79	78	80	b cl	cum str cum	5	g l
2	3	3	24.4	S ½ W	E by E	2-3		½	29.92	80	79	78	80	"	cum str	6	"
3	4	2	28.6	S"	E" by S	3		½	29.91	80	79	78	80	"	cum	5	"
4	4	4	33.0	South	E by S	3		½	29.91	80	79	78	80	"	cum	2	"
5	5	0	38.0	S by E	East	3		¾	29.92	80	79	78	81	"	cum cum str	2	"
6	4	8	42.8	E by S	E by S	3		1	29.94	80	78	78	81	b cl	cum cum	4	"
7	4	1	46.9	S ½ W	E by E	3		1	29.96	80	78	78	81		cir cum	4	"
8	5	4	52.3			3		1	29.98	81	79	78	81	b	"	6	"
9	5	3	57.6	S" ½ E	E" by N	3		½	29.99	81	80	78	81	"	cum	3	"
10	5	2	62.8	S by E	East	3-4		½	29.98	81	80	78	81	"	cum cum	2	d
11	6	1	68.9	S ¾ E	"	4		½	29.96	81	79	78	81	b cl	"	2	
Noon.	5	7	74.6	"	"	3-4		½	29.92	80	79	78	81	"	"	2	"

Course and distance made good since preceding noon by observations, S by W ¼ W 59 knots tenths.

Position at Noon:
- Latitude by D. R. — N 20 ° 51 : 00 "
- Longitude by D. R. — E 164 ° 22 : 00 "
- Latitude by observations of ⊙ — N 20 ° 55 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 164 ° 38 : 00 "

Position at 8 a. m.
- Latitude by D R — N 21 ° 13 : 00 "
- Longitude by " — E 164 ° 30 00 "

Position at 8 P. M.
- Latitude by " — N 20 ° 11 : 00 "
- Longitude by " — E 164 ° 12 : 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at S. a W " S ¼ W by W ½ W by E ¼ E 8 ° 19 ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 280 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1205 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 71 " 716 "

P. M.											
1	6	1	30.7	South	East	3-4	½	29.91	80	79	78	81	b cl	cum cum	1	g l
2	6	8	36.5		E by S	4-5	½	29.88	80	78	78	81	b cl	"	0	"
3	6	2	43.7	S ½ W	"	4	½	29.88	80	78	78	81	"	"	0	"
4	5	4	49.1	"	"	4	½	29.90	80	78	77	81	b cl	"	0	"
5	6	4	55.5	S" ¼ E	"	5	½	29.90	80	76	76	81	b cl	"	0	"
6	5	7	61.2	S by W	E by E	5	½	29.91	78	76	76	81	"	"	0	"
7	2	0	63.2	S by E	East	4-5	½	29.91	77	75	74	81	"	"	0	"
8	6	5	71.7	S by E	E by N	4-6	½	29.91	74	74	69	81	b cl	"	0	"
9	7	2	78.9	"	"	5		29.90	78	76	74	81	b cl	"	0	"
10	5	7	84.6	"	East	5-6		29.90	78	74	72	81		"	0	"
11	6	7	91.3	"	"	6		29.92	78	78	76	81	b cl	"	0	"
Mid.	6	4	97.7	"	"	7		29.90	79	76	74	81	"	"	0	"

Sept 10th Lat N 20° Long E 164° 10'

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday November 12th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A. M.

Partly clear with cum str & mists clouds. Frequent flashes of lightning all around horizon. Light airs to brisk from East 1st hour, light to gentle breeze from E.S.E. to E. by S. afterwards. Smooth sea with long S.E. swell. Ship easy. On course S. by E. first hour. Full & by (fore & aft) afterwards, under plain sail to light sails.

F. C. Pomeroy
Ensign U. S. N.

From 4 to 8 A. M.

Clouds with thunder & lightning to leeward first half, fair increasing to clear weather last half. Gentle breeze from East gradually veering to E.S.E. Close hauled on starboard tack heading course S. by E. first two hours making good S.S.W. last two hours. Plain sail to light sails. Smooth sea. Observed two bright rainbows in the west. P.L 2.3

F. Cromwell
Ensign U. S. N.

From 8 A. M. to Meridian

Generally cloudy. Light rain squalls & passing showers. Wind gentle to moderate from E. by S. to E. by N. Sea smooth with long gentle swell from E. Heavy bank of cumulus clouds about horizon to the West, S.W. & N.W., gradually increasing towards noon. Weather unsettled & threatening. At 12 ship by the wind. Plain sail to light sails making course S. 3/4 E.

W. Galloway
Lieut U. S. N.

From Meridian to 4 P. M.

Overcast & cloudy. Gentle breeze increasing to stiff breeze from E. by S. Threatening weather with rain squall last hour. Took in & furled topgallant sails at 3:30. Ship full & by on port tack. Course S. by E. At end of watch ship under topsails, courses, jib, fore topmast staysail & spanker. P.L 8.9.

A. F. Fechteler
Lieut U. S. N.

From 4 to 6 P. M.

Overcast squally & raining. Stiff breeze from E. by S. to E.S.E. Full & by on port tack. Plain sail to topsails. Moderate sea from E.S.E.

W. B. Haggott
Ensign U. S. N.

From 6 to 8 P. M.

Overcast with continual rain. Heavy cumulus clouds. Moderate to stiff breezy in squalls from East 1st hour increasing to fresh breezy in squalls from E. by S. last hour. Lightning from N.W. & W. last hour. Moderate sea & swell from E.S.E. Ship generally steady. At 6 called hands and took two single reefs in topsails. At end of watch, on course S. by E., under double reefed topsails, whole courses, jib, f. & s. staysail & spanker.

F. C. Pomeroy
Ensign U. S. N.

From 8 P. M. to Midnight

Overcast & cloudy with drizzling rain at intervals. Lightning to N. and occasionally to S.E. Stiff breeze from E. by N. first hour, increasing at end of watch to very fresh breeze from East. Double reefed topsails under courses, jib, f. & s. staysail & spanker. Heading course S. by E. Moderate sea. P.L 9.4.

F. Cromwell
Ensign U. S. N.

Examined and found to be correct.

Thos. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	1	105.8	S by E	E by N	6			29.90	81	76	74	81	o. cl.	cirrus	9	S-L
2	6	1	11.9	"	E N E	5-6			29.86	81	82	76	81	"	"	0	"
3	4	9	16.8	"	"	5-6			29.84	81	82	76	81	"	"	0	"
4	5	1	21.9	"	"	5-4			29.84	81	82	76	81	"	"	0	"
5	4	8	26.7	S"	"	4		1/2	29.84	81	82	78	81	o. cl.	"	0	"
6	3	3	30.0	S. 1/4 W	East	3-4		1/2	29.88	81	82	76	81	o.	"	0	"
7	5	0	35.0	S by E	E by N	4		1/2	29.91	80	82	76	81	b.	cumulus	2	"
8	6	8	41.8	S 3/4 E	"	4-5		1/2	29.91	80	82	78	81	"	"	2	"
9	7	4	49.2	S by E 1/4 E	"	4		1/4	29.96	80	80	78	81	"	"	4	M-L
10	7	6	56.8	"	"	4		1/4	29.96	80	82	78	82	"	"	3	"
11	8	6	65.4	S by E	"	5		1/4	29.94	82	80	78	82	"	cir. cumulus	3	"
Noon.	7	8	73.9	"	"	4		1/4	29.92	82	81	78	82	"	"	3	"

Course and distance made good since preceding noon by observations, S 3/4 W 142 knots tenths.

Position at Noon:
- Latitude by D. R. — N 18 ° 24.0 "
- Longitude by D. R. — E 164 ° 10.0 "
- Latitude by observations of ⊙ — N 18 ° 35.0 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 164 ° 06.0 "

Position at 8 a. m.
- Latitude by D R — N 18 ° 52.0 "
- Longitude by " — E 164 ° 11.0 "

Position at 8 P. M.
- Latitude by " — N 19 ° 48.0 "
- Longitude by " — E 164 ° 02.0 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 289 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 9219 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 71 " 316 "

P. M.														
1	5	2	79.5	S 3/4 E	E by N	3-4		1/2	29.89	82	81	79	82	b.	cir. cumu	4	M-L
2	5	5	85.0	S by E	East	3		1/2	29.88	82	81	79	82	"	"	4	"
3	5	5	90.5	S 1/2 E	"	3		1/2	29.88	82	81	79	82	"	"	4	"
4	5	3	95.8	S 3/4 E	"	3-4		1/2	29.84	82	81	79	82	"	"	3	"
5	6	2	102.0	S 1/2 E	E by S	3-4		1/2	29.84	82	81	79	82	"	"	5	"
6	6	1	108.1	S 3/4 E	"	3-4		1/2	29.88	82	81	79	82	"	cumulus	5	"
7	5	4	113.8	S by E	E N E	3		1/2	29.90	82	81	79	81	"	"	5	"
8	6	4	20.5	"	"	3-4		1/2	29.93	82	81	79	81	b. c. p.	cumulus	5	M-L
9	6	4	26.9	"	"	3-4		1/2	29.94	82	81	80	81	b. c.	"	5	"
10	5	0	31.9	S" 1/2 E	"	3-4		1/2	29.92	82	81	79	81	b. c. p. g.	"	2	"
11	4	6	36.5	"	"	3-4		1/2	29.94	82	81	79	81	b. c. p. g.	"	0	"
Mid.	5	6	41.2	S by E	"	4		1/2	29.94	82	81	79	81	"	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,

Sunday November 13th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences with Variable & Rain.

Overcast with almost constant rain. First hour very fresh breeze from E.N.E. Stiff to moderate breeze remainder of watch from same quarter. Lightning about horizon to South, East & West. Sea smooth with moderate swell from East. At 2a took in & furled mainsail. Set main try sail. Put fore & aft braces on head yards, jumpers on fore & main yards. At end of watch ship on course S. by E., Dist. P.T. Stay sail, fore sail double reefed topsails & spanker.

E. D. Galloway
Lieut U. S. N.

From 4 to 8 A.M.

Overcast & cloudy. Moderate breeze from E.N.E. first hour, hauling to East during second hour & moderating. During last two hours moderate to stiff breeze from E. by S. At 6:30a set mainsail & shook reefs out of topsails. At 7:30a set light sails. Course S. by E. By the wind on port tack. Plain sail to light sails at end of watch.

C. A. T. Jewell
Lieut U. S. N.

From 8 A.M. to Meridian

Generally cloudy, pleasant. Moderate to stiff breeze from E. by N. At 9:30a mustered crew at quarters. Sent down jumpers & secured braces. On course S. by E. At end of watch under plain sail to light sails. Moderate long sea & ocean from E. by N.

W. B. Hoggatt
Ensign U. S. N.

From Meridian to 4 P.M.

Partly clear with six-eighths cloudy. Bright & pleasant. Gentle to moderate breeze from E. by N. & East. Moderate sea with long swell from E. & E. Ship working easily. At end of watch, full & by on port tack, under plain sail to light sails, making good S. 3/4 E. Course S. by E.

W. C. Somerville
Ensign U. S. N.

From 4 to 6 P.M.

Fair weather. Cumulus clouds passing overhead. Cumulus & nimbus clouds around horizon. Gentle to moderate breeze from E. by S. Smooth sea. Course S. by E. Plain sail to light sails making good S. E. & S. 3/4 E. P.L. 10.8.

E. Boone
Ensign U. S. N.

From 6 to 8 P.M.

Fair & pleasant. Gentle breeze from E.N.E. increasing in force last hour. Sea smooth. Same sails. On course S. by E. During last hour double reefed topsails, passed squall from E.N.E.

E. D. Galloway
Lieut U. S. N.

From 8 P.M. to Midnight

Generally cloudy. Occasional rain. Gentle to moderate breeze from E. by N. hauling occasionally to E.S.E. Course S. by E. Ship occasionally heading off to S.S.W. At 10 took in light sails to a rain squall. Set them again at 10:30. At 9 took in spanker.

C. A. T. Jewell
Lieut U. S. N.

Examined and found to be correct.

Thos. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	1	48.2	South	East	3-4		½	29.93	80	80	78	81	b c g k	cum Strat	1	
2	6	6	54.8	S by E	E by N	3-6		¼	29.93	80	79	78	81		"	1	"
3	6	3	61.1	"	"	4		¼	29.89	80	80	78	81	b c l	"	1	"
4	6	2	67.3	"	"	4		¼	29.88	81	80	79	81	"	"	1	"
5	6	5	73.8	"	"	3-4		½	29.86	82	80	80	81	b c g k	"	1	"
6	6	8	80.6	"	"	3-4		½	29.84	82	81	80	81	"	"	1	"
7	7	1	87.7	"	"	4		½	29.90	82	81	79	81	b g	"	2	"
8	6	1	93.8	"	"	4		½	29.92	82	82	80	81	"	"	2	"
9	6	4	100.2	S by E ¼ E	E by S	4		½	29.95	83	82	80	81	"	"	2	"
10	6	6	6.8	South	E by S	4		½	29.96	83	82	80	82	b c k	"	2	"
11	5	8	12.6	"	E by S	3		½	29.95	83	81	80	82	b g	"	2	"
Noon.	6	6	19.1	S ¾ W	"	3		½	29.93	83	82	80	82	"	"	2	"

Course and distance made good since preceding noon by observations, S ¾ W 146 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 16 ° 11 ' 00 "
- Longitude by D. R. — E 163 ° 46 ' 00 "
- Latitude by observations of ⊙ — N 16 ° 11 ' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 163 ° 48 ' 00 "

Position at 8 a. m.
- Latitude by D. R. — N 16 ° 38 ' 00 "
- Longitude by " — E 163 ° 54 ' 00 "

Position at 8 P. M.
- Latitude by " — N 15 ° 36 ' 00 "
- Longitude by " — E 163 ° 42 ' 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 289 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 6790 "

Coal consumed during the preceding 24 hours, tons 1280 lbs.

Coal remaining on hand at Noon, 70 " 1276 "

P. M.														
1	4	9	24.9	S ½ W	East	2-3		½	29.91	83	82	80	82	b g	cum Strat	2	
2	4	2	28.4	S	E by N	3-4		½	29.89	83	82	81	82	"	"	2	"
3	5	2	33.9	South	E by S	2-3			29.89	83	82	80	82	"	"	2	"
4	5	3	39.2	"	N E by E	2-3			29.90	83	82	80	82	"	"	2	"
5	5	0	44.2	"	"	3			29.91	82	81	80	82	b c g	"	0	
6	4	8	49.0	"	"	3			29.93	81	80	79	82	"	"	0	"
7	6	4	50.4	West	E by N	0-3			29.93	81	81	80	82	b c k	"	0	"
8	5	5	56.2	"	"	3			29.96	82	81	80	82	b c l	"	0	"
9	4	9	61.1	"	"	3			29.98	83	82	80	82	"	"	0	"
10	5	5	66.6	"	"	3-4			29.98	82	81	80	82	b c g k	"	0	"
11	4	9	71.5	"	East	3		¼	29.96	82	81	80	81	b c l	"	2	"
Mid.	5	2	76.7	"	"	3		¼	29.96	83	82	80	81	"	"	1	"

under the command of Commander T. T. Jewell, U. S. Navy,

Monday November 14th, 188[illegible].

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A. M.

Cloudy, squally with passing showers first two hours. Lightning to S. & W. & N. & E. Fresh to fresh breeze in squalls from East & E by N. Plain sail to t'gall sails except spanker. On course S by E. at end of watch. Moderate sea.

E. W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 A. M.

Partly clear with occasional clouds. Lightning 1st hour. Squally 1st part. Fresh to moderate increasing breeze from E. by N. Moderate sea. Steel from E. by S. Ship generally steady. At 5 A. M. took in & furled mainsail & put on cocks. Set mainsail. At end of watch, under plain sail to t'gall sails, except mainsail & spanker, on course S by E.

A. C. Pownall
Ensign U. S. N.

From 8 A. M. to Meridian

Cloudy, weather quick light passing rain squall second hour. Wind decreasing to gentle breeze from E. by S. & E. S. E. Plain sail to t'gall sails except mainsail, making course S by E first hour & a half, South to S by W. remainder of watch. At 8.20 started fires in boilers 1 & 3 for condensing. At 9 A. M. mustered & inspected at quarters & exercised divisions, as follows. 1st, 2d & 3d. Ord. Instruction in Gunnery, Prod'n, Stations. Coxswains, Gunners, Cutter & Sleeping Apparatus & found all in Good condition. Smooth Sea. Ship rolling easily. Examined & found in Good condition the magazine & shell-room fresh & cocked.

F. Boomer
Ensign U. S. N.

From Meridian to 4 P. M.

Cloudy & overcast. Gentle breeze from East backing to N. E by E. Sea smooth. Gentle swell from East. Ship rolling easily. At 12 M. changed course to South. At 3. crossed royal yards. Set royals, fitting jib & jaff topsail.

E. D. Galloway
Ensign U. S. N.

From 4 to 6 P. M.

Overcast & cloudy with rain squalls at intervals. Gentle breeze gradually from N. E by E, hauling occasionally to E by N. At 5.20 took in royals fitting jib & jaff topsail to a rain squall. Set royals & fitting jib after squall & took them in again at 5.40. Course South. Under plain sail to t'gall sails except mainsail at end of watch.

A. F. Keighley
Ensign U. S. N.

From 6 to 8 P. M.

Overcast & squally first hour. Heavy passing shower first hour. Lightning to S. & W. & Calm & gentle breeze from E. N. E. At 6.50 took in spanker & ran off to squall. At 6.55 set spanker & stood on course South, under plain sail to t'gall sails. Sticking.

E. W. B. Hoggatt
Ensign U. S. N.

From 8 P. M. to Midnight

Gloomy, cloudy. Clouds sunk. Overcast first part occasional starlight afterwards. Lightning from all parts of horizon. Gentle breeze from E by N. first part increasing 2d hour to moderate breeze in a light rain squall. Gentle breeze from East latter part. Smooth sea, with long easy swell from E by S. At 8 P. M. took in spanker & furled mainsail. On course South, under plain sail to t'gall sails, except main t'gallants.

Examined and found to be correct.

A. C. Pownall
Ensign U. S. N.

Theo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	2	81.4	South	East	3		1/4	29.93	82	81	80	82	o.cld	nimb	0	S.R.
2	4	4	85.8	"	"	3		1/4	29.92	82	81	80	82	b.cl	cum nimb	3	"
3	4	9	90.4	"	"	4		1/4	29.91	83	82	80	82	b.cl.q.	"	1	"
4	5	6	96.3	"	"	4		1/4	29.90	83	82	80	82	b.cl.q.	"	1	"
5	5	2	102.0	S.S.W.	"	4			29.91	81	80	79	82	"	"	1	"
6	2	3	05.3	South	E. by E.	0-6			29.92	80	79	78	82	o.cl.q.	"	0	"
7	4	3	9.6	"	"	1-3			29.93	80	79	79	82	"	"	0	S.R.
8	5	1	14.7	S.S.W.	East	1-4			29.94	79	78	78	82	"	"	0	"
9	4	8	19.5	South	"	3-4		1/4	29.96	79	78	78	82	"	"	0	"
10	4	2	23.7	"	E. by N.	3-4		1/4	29.96	81	79	79	82	o.c.	"	0	"
11	6	0	27.7	"	E. by S.	4		1/2	29.95	81	79	79	82	b.c.	"	1	"
Noon.	6	9	35.7	"	East	4		1/2	29.92	81	80	79	82	b.c.p.	"	1	"

Course and distance made good since preceding noon by observations, S. by W. 3/4 W. 115 knots. tenths.

Position at Noon:	Latitude by D. R.	N	14 ° 15. 00"
	Longitude by D. R.	E	163 ° 22. 00"
	Latitude by observations of ⊙	N	14 ° 23. 00"
	Longitude by chronometer from Forenoon Observations of ⊙	E	163 ° 12. 00"
Position at 8 a. m.	Latitude by D. R.	N	14 ° 39. 00"
	Longitude by "	E	163 ° 27. 00"
Position at 8 P. M.	Latitude by "	N	13 ° 37. 00"
	Longitude by "	E	162 ° 45. 00"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 280 gallons.

Water Distilled during the preceding 24 hours, 1480 "

Water remaining on hand fit for use at Noon, 19000 "

Coal consumed during the preceding 24 hours, 1 tons 2160 lbs.

Coal remaining on hand at Noon, 68 " 1356 "

P. M.														
1	3	4	38.5	S.S.W.	East	3-4	29.91	83	81	80	82	b.c.p.q.	cum nimb	1	W.R.
2	6	3	18.5	"	"	3	29.84	83	81	79	82	"	"	3	"
3	6	5	55.0	"	"	3	29.84	83	81	79	82	"	"	3	"
4	6	0	61.0	"	"	3	29.86	83	82	80	82	"	"	3	"
5	6	6	64.6	"	"	4-5	29.84	83	82	79	82	b.c.p.	"	4	S.R.
6	4	2	44.8	"	"	5	29.88	83	82	79	82	b.c.	"	2	"
7	4	0	81.8	"	"	4	29.90	83	82	79	82	"	"	4	"
8	4	2	89.0	"	"	4	29.91	83	82	80	82	"	"	3	"
9	6	4	95.4	"	"	3-4	29.90	82	81	79	82	b.c.q.	"	6	"
10	6	8	102.6	"	"	3-4	29.91	82	81	78	82	b.c.q.	"	2	"
11	6	2	8.4	"	"	3-4	29.92	83	82	79	82	"	"	2	"
Mid.	6	1	14.8	"	"	3-4	29.90	83	82	80	82	b.c.	"	2	"

under the command of Commander T. F. Jewett, U. S. Navy,

Tuesday November 15th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A. M.

Cloudy with drizzling rain first hour, passing rain squalls last hour. Lightning to E.d Grubb increasing to moderate breeze from East. Plain sail to tgallt sails exept mainsail and spanker. Course South. Smooth sea, ship rolling easily. Distilling

T. J. Toomis
Ensign U. S. N

From 4 to 8 A. M.

Weather unsettled. Overcast with frequent rain squalls. Wind from E. N. E. to E. by E. variable in force from 0 to 6. Very heavy rain at times. Smooth sea with moderate swell from N. E. Took in and set tgallt sails to squalls Distilling.

E. D. Galloway
Lieut U. S. N

From 8 A. M. to Meridian

Overcast cloudy and rainy. Wind gentle to moderate fresh E by S. to E by N. At 8:20 took in tgallt sails to a fresh squall. Weather fore topsail sheet carried away at the same time. Took in fore topsail, bent fore sheet and set fore topsail and tgallt sails. Set spanker at 9. Under plain sail to tgallt sails except mainsail. Course South. Distilling.

C. F. Todd
Lieut U. S. N

From Meridian to 4 P. M.

Cloudy with passing rain squalls. Gentle breeze from East. At 12 noon changed course to S. by W. Ship on course with the wind free. Smooth sea. Moderate breeze. At end of watch ship under plain sail to tgallt sails. P. L. 61.0 Distilling.

W. P. Hoyt
Ensign U. S. N

From 4 to 6 P. M.

Generally cloudy. Cumulus and mid clouds passing east from East. Moderate to stiff breeze from East. Passing showers at 4 and 5 P. M. Moderate sea from East with swell from E. N. E. Ship easy. At 5:30, took in spanker. At end of watch under plain sail to tgallt sails except mainsail and spanker. On course S. by W. Distilling.

H. H. Johnston
Ensign U. S. N

From 6 to 8 P. M.

Cloudy weather, clear overhead with stars shining brightly. Moderate breeze from East. Plain sail to tgallt sails except mainsail and spanker. Course S. by W. Smooth sea. P. L. 89.0

T. J. Toomis
Ensign U. S. N

From 8 P. M. to Midnight

First hour cloudy with passing rain squalls, remainder of watch clear and pleasant. Passing cirro-cumu clouds. Gentle to moderate breeze from E. N. E. to East. Last hour observed lightning to the S. Sea smooth. Gentle swell from East. Distilling

E. D. Galloway
Lieut U. S. N

Examined and found to be correct.

Geo. B. McMasson
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	3	21.1	S. by W.	East	4			29.88	80	82	79	82	b. c.	cum. Wind	8	H
2	6	4	27.7	"	E. by N.	4			29.86	80	82	79	82	"	"	8	"
3	4	1	34.6	"	"	4			29.86	80	82	79	82	"	"	4	"
4	4	2	41.8	"	"	4			29.85	80	82	79	82	"	"	5	"
5	4	1	48.9	"	"	4			29.86	80	82	79	82	"	"	4	"
6	6	4	55.3	"	"	4			29.84	80	82	79	83	"	"	4	"
7	6	5	61.8	"	"	4			29.89	80	82	80	83	"	"	2	"
8	4	2	69.0	"	"	4			29.92	80	82	80	83	b. c.	"	3	"
9	4	5	46.5	S. by W.	East	4-5			29.92	80	82	80	83	b.	"	2	"
10	4	4	84.2	"	"	5			29.92	84	83	80	83	"	"	2	"
11	4	5	91.4	S. by W. 1/4 W.	E. by N.	5			29.92	80	82	79	83	b. c.	"	1	"
Noon.	8	1	99.8	"	"	4-5			29.89	83	86	80	83	b. c. g.	"	1	"

Course and distance made good since preceding noon by observations, S. by W. 165 knots tenths.

Position at Noon:
- Latitude by D. R. — N 12 ° 02' 00"
- Longitude by D. R. — E 161 ° 48' 00"
- Latitude by observations of ⊙ — N 12 ° 10' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ — E 161 ° 35' 00"

Position at 8 a. m.
- Latitude by D. R. — N 12 ° 30' 00"
- Longitude by " — E 161 ° 59' 00"

Position at 8 P. M.
- Latitude by " — N 11 ° 29' 00"
- Longitude by " — E 161 ° 16' 00"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 280 gallons.

Water Distilled during the preceding 24 hours, 1080 "

Water remaining on hand fit for use at Noon, 27000 "

Coal consumed during the preceding 24 hours, 1 tons 480 lbs.

Coal remaining on hand at Noon, 67 " 876 "

P. M.											
	4	0	102.8	S. by W. 1/4 W.	E. by S.	4-5	29.84	82	80	79	83
1	2	4	6.2	S. by W.	"	4-5	29.85	82	80	80	82
2	5	3	11.5	"	East	3-5	29.83	80	78	78	82
3	4	8	16.3	S.	"	3-4	29.83	81	80	79	82
4	5	5	21.8	S. 1/2 W.	E. by S.	4-5	29.86	80	79	78	82
5	6	0	28.8	S. by W. 1/2 W.	"	3	29.86	82	80	79	82
6	5	1	32.9	"	E. by S.	3	29.86	82	81	79	82
7	6	0	38.9	S. 1/2 W.	"	3-5	29.88	81	80	79	82
8	5	3	44.2	"	East	3	29.88	81	80	79	82
9	5	4	49.9	"	"	4	29.89	81	79	82	b. c.
10	5	8	55.7	"	"	4	29.91	81	79	82	b.
11	5	6	61.3	"	"	4	29.90	81	79	82	b. c.
Mid.	5	0	67.3	"	"	4	29.89	82	81	79	82	b.

under the command of Commander T. F. Jewell, U. S. Navy,

Tuesday November 16th, 1886.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Weather pleasant clear cold bright starlight until end of watch when partially cloudy. Moderate breeze from East and E by N. Course S.W. Plain sail to tgallt sails except mainsail and spanker. Occasional lightning to S and W.

C.A.F. Seahuffy
Lieut U.S.N.

From 4 to 8 A.M.

Partly clear pleasant cold light passing showers last hour. Moderate breeze from E by N. at 4 stopped distilling and hauled fires. At 6:30 set mainsail and took in main trysail. Moderate sea from E.N.E. At end of watch made plain sail to tgallt sails. At 8. changed course to S by W.

W.B. Haggott
Ensign U.S.N.

From 8 A.M. to Meridian.

Partly clear cold with cumulus and cumuli clouds. Moderate to stiff breeze from East 1st part veering to E by N. latter part and increasing to a fresh breeze in moderate plain squall lasting from 10 to five 11 o'c during which ran ship off to S.W. and took in tgallt sails. Set tgallt sails at 11.30. Moderate sea and swell from E by N. Ship rolling and pitching easily. At end of watch made plain sail to tgallt sails, except spanker. On course S by W.

W.B. Poundstone
Ensign U.S.N.

From Meridian to 4 P.M.

Weather cloudy and squally. Fresh to stiff breeze from E by E to East. Frequent heavy rain squalls. At 2.30 changed course to S.W. Took in tgallt sails to heavy rain squall at 1.50. Took in spanker at 2.20. at 2.40 set tgallt sails. Moderate E by S swell. Smooth sea. At end of watch ship made plain sail to tgallt sails except spanker. P.L. 218.

F. Toombs
Ensign U.S.N.

From 4 to 6 P.M.

Overcast ugly unsettled weather with rain squalls passing west from E. At 4.30 took in tgallt sails and mainsail to a rain squall hard pipe not much wind. At 5. set tgallt sails and mainsail. Ship headed off to S.by W. for remainder of watch. Sea smooth. Swell from E.

C.A.F. Seahuffy
Lieut U.S.N.

From 6 to 8 P.M.

Overcast and cloudy. Fresh to moderate breeze from E by S and East. At 6.40 a rain squall from East with stiff breeze. Plain sail to tgallt sails except spanker. Course S.W.

C.R. Galloway
Lieut U.S.N.

From 8 P.M. to Midnight

Fair and pleasant. Moderate breeze from East. Plain sail to tgallt sails except mainsail on course S.W. Moderate sea from East.

W.B. Haggott
Ensign U.S.N.

Examined and found to be correct.

Theo. F. M. Mason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Caroline Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	3	136	S½W	ENE	3-4		¼	29.84	82	81	80	86	bs	cumulus	3	S
2	5	4	49.0	"	"	3-4		¼	29.86	82	82	80	83	"	"	3	
3	5	2	84.2	"	"	3-4		¼	29.84	82	81	80	83	"	"	3	"
4	4	6	88.8	"	"	3		½	29.84	82	81	80	83	bcp	"	1	"
5	6	0	93.8	"	"	3		½	29.84	81	80	79	83	bcgp	"	4	"
6	4	3	98.1	"	East	3		¼	29.85	82	80	79	83	bs	cirrus cumulus	2	"
7	6	2	104.3	"	"	4		¼	29.84	82	81	80	83	"	cumulus	5	"
8	4	4	11.7	"	"	4		¼	29.88	83	82	80	83	"	"	5	"
9	4	2	18.9	"	ENE	3			29.96	84	83	81	83	"	cirrus cumulus	6	S
10	4	2	33.3	"	"	3			29.92	85	83	81	83	"	"	6	
11	4	2	33.3	"	"	3			29.91	85	84	82	83	"	"	6	"
Noon.	8	3	46.1	"	"	3			29.89	85	85	82	83	"	"	6	"

Course and distance made good since preceding noon by observations, S SW 133 knots tenths.

Position at Noon:	Latitude by D. R.	9° 56' 00" N
	Longitude by D. R.	160° 42' 00" E
	Latitude by observations of ⊙	10° 01' 00" N
	Longitude by chronometer from Forenoon Observations of ⊙	160° 43' 00" E
Position at 8 a. m.	Latitude by D. R.	10° 42' 00" N
	Longitude by	160° 31' 00" E
Position at 8 P. M.	Latitude by	9° 19' 00" N
	Longitude by	160° 25' 00" E

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 280 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2420 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 67 " 476 "

Squall No. 1164 Lat. 10 N Long. E 160 42

P. M.	0	8	46.4	S½W	East	3-5			29.86	83	82	80	83	bcrq.	cumulus	4	S
1	2	6	48.0	S by W½W													
	0	8	48.8														
2	4	0	55.8	S½W	"	4			29.84	83	83	81	83	bc	cirrus cumulus	5	"
3	5	1	60.9		"	3-5			29.84	84	83	82	83	bcrq.	nimbus	4	"
4	6	1	67.0	S by W½W	"	4			29.82	84	83	81	83	bs	"	4	"
5	6	4	73.4	"	"	4			29.84	84	83	81	83	"	cirrus cumulus	5	"
6	4	0	80.4	"	"	4			29.84	84	82	80	83	"	"	5	"
7	6	6	84.3	"	"	3-4			29.88	84	83	81	83	bcl	cumulus	5	"
8	6	1	93.4	S SW	E SE	3-5			29.90	84	82	80	83	bcqpl.	cumulus nimbus	4	"
9	4	8	98.3	S SW	E SE	5			29.91	83	82	81	83	bcl	"	4	"
10	5	2	3.5	"	"	3			29.92	83	82	81	83	"	"	4	"
11	5	0	8.5	"	East	3			29.92	83	82	81	83	"	"	5	"
Mid.	5	0	13.5	"	"	3			29.92	83	82	81	83	"	"	6	"

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday November 17th, 188[illegible].

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A. M.

Partly clear, bright starlight. Pleasant. Clouds cumi & cumt passing over from E.S.E. Light passing showers with threatening appearances at end of watch. Fresh to moderate breeze from E. by S. Smooth sea with moderate easy swell from E. by N. at 2 o'c observed fall of a brilliant meteor in N.E. heavens, which left a bright trail, visible some two minutes which gradually curled up, resembling first a comet & later a luminous cloud, the whole lasting about fifteen minutes. At end of watch headed off by a threatened squall. Course S.S.E. Under plain sail to tgilt sails & watch spanker.

D. C. Parmenter
Ensign U.S.N.

From 4 to 8 A. M.

Cloudy with passing rain squall first hour, clearing remainder of watch. Fresh breeze from E. by S. increasing & shifting to moderate breeze from East. Smooth sea. Ship steady. Plain sail to tgilt sails & watch spanker. Course S.½W. P.L. 11.6.

J. Loomis
Ensign U.S.N.

From 8 A. M. to Meridian

Clear, pleasant weather with steady moderate breeze from E.N.E. Sea smooth. Passing cir.-cumi clouds. About 11.30 a rain squall made up in the Eastern horizon. At 9.30 quarters. Exercised 1st Division Rifles (skirmish), 2d Pistols 3d Single sticks, Broad Cutlass.

E. D. Galloway
Lieut U.S.N.

From Meridian to 4 P. M.

Partly cloudy with rain squalls first & third hours. Fresh to moderate breeze. At 12.30 changed course to S. by W.½W. At 12.35 took in royals, furling jib tgilt sails, mainsail & spanker, to rain squall. At 12.40 set mainsail, tgilt sails & royals. At 1.08 sighted land, two points on port bow and changed course to S.½W. Lighted four small coral islands. At 1.20 set spanker, at 2.50 took in royals & tgilt sails to rain squall. At 3. set royals & tgilt sails & changed course to S. by W.½W. Wheel rope stranded, hooked & rove, relieving tackles while hide wheel ropes were being rove off. Exercised signal class at Army & Navy code of signals. At end of watch ship under plain sail to royals. P.L. read 6.4. At 2.55 passed Islands (custom House), highest Point true E. by S. Distant 5 miles.

A. T. Schuyler
Lieut U.S.N.

From 4 to 6.

Partly clear, pleasant. Moderate breeze from East. At 5. rounded at quarters On course S. by W.½W. Under plain sail to royals.

W. B. Howard
Ensign U.S.N.

From 6 to 8. P. M.

Partly clear, with cumi & nimi clouds passing over from East. Bright starlight, with moon shining occasionally 1st hour. Occasional lightning from different points of compass. Fresh to moderate breeze from East, increasing to stiff breeze & a moderate rain squall last hour. Smooth sea, with easy swell from East. At 7.40 took in spanker. At end of watch under plain sail to tgilt sails except spanker. At 8.0[illegible], changed course to S.S.W. Took in & furled royals & jib.

J. H. Townsend
Ensign U.S.N.

From 8. P.M. to Midnight

Examined and found to be correct.

Fair overhead. Cloudy with rain squalls & lightning around horizon. Fresh breeze from E.S.E. East. Smooth sea. Plain sail to tgilt sails & spanker. Course S.S.W. P.L. 11.5.

J. J. Soley
Ensign U.S.N.

Theo. M. Mason.
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to the Carolina Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	9	19.4	SSW	ENE	3			29.89	82	81	80	83	b.c.	cum Vind	5	d
2	5	0	24.4	"	"	3			29.84	82	81	80	83	"	"	4	"
3	5	3	29.4	"	"	2			29.84	82	81	80	83	"	"	4	"
4	5	1	34.8	"	"	2-3			29.85	82	82	81	83	"	"	3	"
5	5	6	40.4	"	"	3-4			29.86	83	82	81	83	"	"	2	"
6	5	5	45.9	"	"	4			29.86	83	82	81	83	"	"	5	"
7	6	2	52.1	"	"	4			29.88	83	82	81	83	b.c.	"	5	"
8	6	3	58.4	"	"	4			29.86	84	82	81	83	"	"	5	"
9	6	2	64.6	"	"	4			29.95	85	83	82	83	"	"	4	"
10	4	3 6	65.8 70.5	SSW. WSW.	"	4			29.95	85	84	82	84	"	"	4	"
11	6	3	76.8	"	"	4			29.94	86	85	82	84	"	"	4	"
Noon.	7	4	84.2	"	"	4			29.91	86	85	82	84	"	"	4	"

Course and distance made good since preceding noon by observations, SSW½W 131 knots tenths.

Position at Noon: Latitude by D. R. N 2 ° 39.0 "
Longitude by D. R. E 156 ° 56.0 "
Latitude by observations of ⊙ N 8 ° 13.0 "
Longitude by chronometer from Forenoon Observations of ⊙ E 159 ° 40.0 "

Position at 8 a. m.: Latitude by LR N 8 ° 22.0 "
Longitude by " E 160 ° 02.0 "

Position at 8 P. M.: Latitude by " N 2 ° 28.0 "
Longitude by " E 159 ° 12.0 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 280 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2140 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 67 " 76 "

P. M.																	
1	6	5	90.4	SSW. WSW.	ENE	3-5	29.89	84	83	81	84	b.c.q.k.	cum Vind	2	SW
2	6	3	96.0	"	"	4	29.87	83	81	80	84	"	"	2	"
3	6	8	103.8	"	"	4	29.85	82	81	81	84	b.c.q.k.t.	"	1	"
4	6	6	10.4	"	"	4	29.84	83	82	81	84	b.c.	"	1	"
5	6	9	17.3	"	"	4-6	29.85	82	80	80	83	o.c.v.q.	"	0	"
6	6	6	23.9	"	"	4-5	29.84	82	81	81	83	o.c.q.k.	"	0	"
7	2	2	31.1	"	"	3-4	29.88	82	81	81	83	b.c.k.	"	1	"
8	5	3	36.4	"	"	2-3	29.88	82	81	81	83	"	"	1	"
9	3	2	37.3 40.6	SW. by S.	"	3	29.88	83	82	81	83	o.c.k.	"	0	"
10	4	4	45.3	"	"	3	29.89	83	82	82	83	b.c.k.	"	1	"
11	4	4	49.7	"	"	3-4	29.88	84	82	82	83	o.c.k.	"	0	"
Mid.	3	9	53.6	"	"	3-5	29.86	82	81	81	83	o.c.q.k.	"	0	"

under the command of Commander T. F. Jewett, U. S. Navy,
Friday November 18th, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A M

Fair, soft, warm and hazy. Made to moderate breeze from E.N.E. first hour, veering to N.E. & N. losing force increasing slightly last half hour. Lightning around horizon except S.W. During first hour rain squall passed over from E.N.E. astern of Ship. Light cir-cumulus clouds passing over from N.E. Set the watch. Ran smooth.

Thos. Galloway
Lieut. U.S.N.

From 4 to 8 A M

Generally clear and pleasant. Moderate breeze from E.N.E. Pointed out Dungby Plain Sail to Lgt'h Sails except Spanker. Course S.S.W.

A. F. Devlin
Lieut U.S.N.

From 8 A M to Meridian

Partly clear, pleasant. Moderate breeze from N.E. At 9.14 changed course to S. by W. 1/2 W. At 9.28 round to for. quarters, 1st stream in at 5" 3/4 stream in 1'10". Plain sail to Lgt'h sails on course S. by W. 1/2 W, ahead of watch. Smooth sea.

Wm. B. Hoge
Ensign U.S.N.

From Meridian to 4 P M

Partly clear with cumulus and mixed clouds. Occasional moderate rain squalls with lightning and thunder 3d hour. Made to stiff breeze from E.N.E. Smooth sea with moderate easy ocean from E.N.E. Ship rolling easily ahead of watch, on course S. by W. 1/2 W, under plain to Lgt'h sails except Spanker.

H. C. Young
Ensign U.S.N.

From 4 to 6 P M

Overcast and cloudy with rain squalls first hour. Drizzling rain last of last hour. Moderate breeze increasing at times during squalls to fresh breeze. Moderate sea. Plain Sail to Lgt'h sails except Spanker. At 4 to 5 furled main sail and fast on coast Course S. by W. 1/2 W. D.R. 39.

F. Jewett
Ensign U.S.N.

From 6 to 8 P M

Overcast with light rain first hour. Few stars showing last hour. Lightning to the S.W. During first hour breeze from N.E. Moderate to stiff decreasing in force last hour. Sea smooth. Light gentle ocean from N.E.

Thos. Galloway
Lieut U.S.N.

From 8 P M to Midnight

Cloudy and overcast raining towards. Light rain at intervals and a heavy rain shower at 11.40. Made to stiff breeze from E.N.E. Moderate sea from E.N.E. Lightning to S.E. and S. at 10. Started fires in 2 boilers at 8.0 took in Lgt'h sails. at 10.55 took in fore topsail. Course S. by W. ahead of watch under main topsail, foresail, jib and fore topmast staysails. Yards braced up to Reader headway.

A. F. Devlin
Lieut U.S.N.

Examined and found to be correct.

Thos. B. M. Mason
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making Passage to the Carolina Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.																	
1	3	8	53.6	S.W. by S.	N. E.	4			29.84	83	82	81	83	b.c.h.q.l.	cum. Stmd	1	
2	2	2	54.4	S. E. by S.	"	4		3	29.84	84	83	81	83	b.c.q.	"	1	"
3	1	1	59.6	S. E. by E.	"	4		6	29.85	84	83	81	83	b.c.	"	2	"
4	1	0	60.4	S. E. by S. 1/2 E.	"	4		6	29.84	84	83	81	83	"	"	1	"
5	1	5	61.9	S. E. by E.	"	4-5		4	29.86	84	83	81	83	b.c.q.l.	"	1	
6	4	9	61.5	W. by W.	"	4-5			29.87	84	83	81	83	b.c.l.	"	1	"
7	8	6	45.9	S. "	"	5			29.89	84	83	81	83	"	"	2	"
8	7	6	37.3	S. W. by W.	"	5			29.91	84	83	81	83	b.q.	"	1	"
9	8	4	93.9	N. E. by E.	"	5			29.93	83	83	81	80	"	"	1	
10	8	8	100.3	S. by W. 1/2 W.	"	5			29.93	84	83	81	83	"	"	1	"
11	5	5	5.8	N. N. W.	"	4			29.91	84	83	81	83	b.c.q.	"	0	"
Noon.	5	4	17.4	W. by W.	"	4			29.89	84	83	81	83	"	"	1	"

Course and distance made good since preceding noon by observations, S. 0 1/4 E. 106 knots tenths.

Position at Noon:
- Latitude by D. R. — N. 6 ° 55' 00"
- Longitude by D. R. — E. 158 ° 28' 00"
- Latitude by observations of ⊙ — N. 0 ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — N. 0 ° ' "

Position at 8 a. m.
- Latitude by D. R. — N. 4 ° 02' 00"
- Longitude by " — E. 158 ° 46' 00"

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 280 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1860 "

Coal consumed during the preceding 24 hours, 4 tons 1200 lbs.

Coal remaining on hand at Noon, 62 " 1116 "

P. M.														
1	8	6	16.9	W. by S.	N. E. by E.	4	29.86	84	83	81	b.q.	cum. Stmd	0	
2	4	8	20.8	W. by S.	"	4	29.86	84	84	82	b.q.	"	2	"
3	4	9	25.8	W. by W.	"	4	29.85	85	84	82		"	4	"
4	4	1	29.9	W. N. W.	"	3	29.85	85	84	82	"	"	5	"
5	1	.5	31.4	Standing for	"	4	29.84	85	84	80	"	cum. cirr.	4	"
6	6	1	34.5	an anchorage	N. E. by E.	4	29.88	85	84	80	"	cum. nimb.	3	"
7	2	9	39.6	E. by N.	"	4	29.88	85	84	80	b. cum.	cum.	8	"
8				"	"	4	29.89	85	84	80	"	"	8	"
9				E.	"	4	29.91	85	84	81	"	"	7	"
10				"	"	4	29.91	85	84	80	"	"	2	"
11				E. by N.	"	4	29.91	84	84	80	"	"	6	"
Mid.				E. by N.	"	4	29.91	84	83	80	"	"	6	"

under the command of Commander T. F. Jewell, U. S. Navy,

Saturday November 19th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at 4 A.M.

Cloudy with rain squalls first hour with thunder & lightning. Moderate breeze from N.E. at 1. Double reefed main topsail, furled foresail, set main trysail & shoved off. Brought the ship to on port tack under double reefed main topsail, main trysail & f. & a. staysail. Moderate long sea & down from N.E.

W. M. Hoggatt
Ensign U.S.N.

From 4 to 8 A.M.

Generally cloudy, squally 1st hour. Clouds cumn & nimb. Occasional lightning this watch. Hoys moderate to stiff breeze from N.E. Heavy regular sea from N.E. Ship laying to 1st hour under double reefed main topsail, fore topmast staysail & main trysail & lurching about very uncomfortably. At 5 o'c, ran off to course W.S.W. & made sail to light sails. Ship rolling & pitching easily. At 5.30, coupled propeller & spread fins. At 6 o'c, went ahead on engines. At 7 changed course to S.W.b.W. P.S. 7th. At end of watch, on course S.W.b.W. under steam square sail to light sails except mainsail & f. & a. staysails. Passed several pieces of drift wood towards end of watch.

H. Morgan Stone
Ensign U.S.N.

From 8 A.M. to Meridian

Overcast & cloudy with passing showers third hour. Stiff breezing to moderate breeze from N.E.b.E. Lightning to S. Moderate sea & swell from N.E. At 9 changed course from S.W.b.W. to S.S.W.½W. At 9.50 banked fires & brought ship by the wind on the starboard tack. At 11.08 changed course to W.S.W. spread fins, coupled propeller & went ahead with engines. At 11. sighted land to S.S.W. At end of watch high land ahead. Plain sail to light sails until 11.15 when set royals & fid. P.S. 12th.

F. Forrest
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy, warm & pleasant. Stiff to moderate breeze from N.E.b.E. Stood away in for Jamestown harbor. Cond'g Officer at the conn. At 1.20 took in royals & sent down yards. At 2.15, called all hands, shortened & furled sails. At 3.31 came to with starboard anchor 3 fms. cable & broken shot, veered to 90 fms. at water edge. Bearings Paytick Isl. Sand Point N.E., Jack's Point S.W.½W., Summit Mount Hunt S.E.¾E. Draft, fwd 13.5, aft 15.7. At 3.30 banked fires in 6 & 8 on account of leaky tubes in No. 8. At 4, transferred fires from 2 & 5 & 7 to 1 & 3 for distillery. An officer from Spanish man-of-war, paid usual visit. Lieut. Fechteler & Ensign Hoggatt left the ship on ten days leave of absence.

D. Galloway
Lieut U.S.N.

From 4 to 8 P.M.

Partly clear with cirrus & cumn & nimb clouds. Bright & warm. Hazy latter part. Quite to moderate breeze from E.N.E. Smooth Sea; no tidal observation. Hoys sails and Gondolas of Spanish Governor of Ponapi called officially. Getting ship in fore trim. Commenced distilling at 7.45.

H. Towers Toffey
Ensign U.S.N.

From 8 P.M. to Midnight

Partly clear with cumn clouds. Moderate breeze from E.N.E. Barometer steady. Distilling.

Examined and found to be correct.

A. A. Lyon
Lieut Cmdr U.S.N.
Hugh D. McGowan
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Anchor in Jamestown Harbor, Ponape Island, Carolines Group.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				ENE	ENE	2			29.80	84	83	80		b.c.	cirrus cumulus	2	~
1				NE by E	"	2			29.84	84	83	79		"	"	6	"
2				E by N	"	2			29.86	84	83	79		"	cumulus	8	"
3				"	"	2			29.84	84	83	79		"	"	8	"
4				"	"	3			29.88	84	83	80		"	cirrus	8	"
5				NE by E	"	3			29.88	84	83	80		"	"	6	"
6				E by N	"	3			29.90	84	83	80		"	cirrus cumulus	6	"
7				East	"	3			29.93	84	83	81		"	"	4	"
8				E by N	NE by E	3			29.93	84	84	81		b.c.p.	cumulus	4	"
9				"	"	3			29.94	84	84	81		b.c.	"	3	"
10				E by N	"	3			29.92	84	83	81		b.c.p.	"	2	"
11				E	"	3			29.90	85	84	81		b.c.	"	2	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the .

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 990 "

Water remaining on hand fit for use at Noon, 2550 "

Coal consumed during the preceding 24 hours, 2 tons 1520 lbs.

Coal remaining on hand at Noon, 59 " 836 "

P. M.																	
1				NE by E	NE by E	3			29.86	85	80	82		b.c.m.	cirrus cumulus	1	~
2				"	"	3			29.86	86	80	82		"	"	1	"
3				NE by E	ENE	2			29.85	86	80	82		"	"	1	"
4				East	E by S	2			29.85	86	80	82		"	"	1	"
5				"	East	1			29.84	85	84	81		b.c.	"	1	"
6				"	"	1			29.84	84	83	81		"	"	1	"
7				"	"	2			29.86	84	83	81		o.c.	"	1	"
8				E by N	"	2			29.88	84	83	82		o.c.	cumulus	0	"
9				East	"	2			29.90	82	82	80		o.c.	"	0	"
10				E by S	"	2			29.90	82	82	80		"	"	0	"
11				East	"	2			29.90	82	82	80		o.c.p.	"	1	"
Mid.				"	"	3			29.90	82	82	81		"	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,

Sunday November 20th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Commences and Ends 4 A.M.

Clear warm & pleasant. Gentle breeze from N.E. Ship riding to the wind. Distilling.

C.D. Galloway
Lieut U.S.N.

From 4 to 8 A.M.

Partly clear, with cum & cis-cum clouds. Gentle breeze from E.N.E. No tidal current. Distilling.

A.C. Paine Jr.
Ensign U.S.N.

From 8 A.M. to Meridian

Fair decreasing to cloudy weather. Passing showers first & third hours. Gentle breeze from N.E. by E. at 9.00 mustered & inspected at quarters and skinned ship after held Divine Service. Riding to wind and ebb tide.

H. Toomey
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy & warm. Light to gentle breeze from N.E. by E. to E.S.E. Bent chain on the Starboard bower. Chain & secured 30 fms making 120 fms out on Starboard bower. Riding to wind. Distilling.

A.A. Lefft
Asst Surgn U.S.N.

From 4 to 8 P.M.

Cloudy & warm. Gentle breeze from East. Rain showers passing over the island & reaching out over the harbor. During last hour. At 5: sighted a Spanish Gunboat in the offing. Not making the harbor before dark. She stood off to S.W. & W. at sunset and soon lost sight of. Sea smooth. Ship riding to the wind. Distilling.

C.D. Galloway
Lieut U.S.N.

From 8 P.M. to Midnight

Overcast & cloudy with occasional light passing showers last half. Light increasing to gentle breeze last hour from East. Squally. At 10: hauled ashes over side. Distilling & hauled fires in boilers Nos 1 & 3. Riding to wind.

H. Toomey
Ensign U.S.N.

3 First Quarter
Dec 16th

Examined and found to be correct.

Thos. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Auckland in the Jamestown Harbor, Panapi Islands.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.				E by S	E by S	3			29.90	83	83	81		b. s.	cum & cumf	3	S
1				"	"	2			29.88	83	83	81		"	"	4	"
2				E"	E"	2			29.88	83	83	81		"	"	5	"
3				East	East	2			29.88	83	83	81		"	"	5	"
4				E by S	"	2			29.86	83	83	82		"	"	3	"
5				E by N	E by N	2			29.84	83	82	81		"	"	1	"
6				E by N	"	2			29.85	83	82	81		b. c.	"	1	"
7				N E	N E	2			29.88	83	82	81		"	"	2	"
8				N E by E	N E by E	2			29.91	84	82	81		"	"	4	"
9				E by N	E N E	2			29.92	85	84	81		b. s.	cis cumf	5	"
10				E N E	"	3			29.92	85	84	82		"	"	5	"
11				"	"	3			29.92	85	84	82		"	"	5	"
Noon.				"	"	3			29.90	86	85	82		"	"	4	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 558 "

Water remaining on hand fit for use at Noon, 2800 "

Coal consumed during the preceding 24 hours, tons 1600 lbs.

Coal remaining on hand at Noon, 59 " 236 "

P. M.																	
1				E by N	E N E	3			29.86	86	85	83		b. s.	cum & cumf	4	S
2				"	"	3			29.83	86	84	82		"	"	3	"
3				E N E	"	3			29.83	86	85	82		"	"	2	"
4				"	N E" E	3			29.83	85	83	80		b. c.	"	1	"
5				N E by E	"	3			29.86	85	83	82		o. d.	cum & cumf	0	"
6				N E by E	"	3-4			29.87	84	82	81		o. s.	"	0	"
7				"	"	3-4			29.87	84	82	81		"	"	0	"
8				E N E	"	3-4			29.91	84	82	81		o. c.	"	0	"
9				East	"	3-4			29.91	84	82	81		o. c. g.	"	0	"
10				E by S	East	3			29.89	83	82	81		"	"	0	"
11				"	"	3			29.88	83	82	81		b. c.	"	2	"
Mid.				"	"	3			29.88	83	82	81		"	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,
Monday November 21st, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Partly cloudy with cumulus clouds. Fresh decreasing after first hours to light breeze from East to East S.

D.A. Lewis
Naval Cadet U.S.N.

From 4 to 8 A.M.
Fair and warm. Light wind from East

E.D. Galloway
Lieut U.S.N.

From 8 A.M. to Meridian
Partly clear with cir. cum. clouds. Bright and warm. Light to gentle breeze from E.N.E. to tidal current. Sent Spanish Captain from "Isla Quintin" called officially. Governor of Pinar del Rio called accompanied by his Secretary. Loosed sail to a bunting at 9 A.M. Held Quarters for inspection at 9 A.M. At work repairing saddle of jib boom & painting boilers in Engr's Dept. Examined Day & E. Runs and all electrical gear and found them in good order. Lieut Fechteler and Ensign Hoggatt returned from leave. American Mission Ship "Morning Star" came in and passed two reps to Nr and Ord. A Spanish Government vessel coming in at end of watch.

E.H. Thornstone
Ensign U.S.N.

From Meridian to 4 P.M.
Fair decreasing to cloudy weather. Gentle breeze from E to E.E.

F. Fooing
Ensign U.S.N.

From 4 to 8 P.M.
Cloudy and generally raining with gentle to moderate breeze from N.E. by E. Heavy rain during first hours. Chief Engr Stiers Engrs Hancke, P.A. Paym Smith, Lieut Galloway and Engrs Loomis and Thornstone left the ship on two days leave.

C.A.F. Deering
Lieut U.S.N.

From 8 P.M. to Midnight
Overcast raining and squally. Gentle breeze to moderate squally from N.E. by E. to East.

W.B. Hoggatt
Ensign U.S.N.

1st Quarter
Dec. 13th 8

Examined and found to be correct.

Thos L. McMason
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Anchor in Jamushoion Harbor, Panopi Island, Caroline Group

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.				E by S	East	3			29.86	83	82	81		b c p	cumy & mist	1	S
1				East	"	3			29.82	83	82	81		o c p	"	0	"
2				"	"	3			29.81	83	82	81		b c	"	2	"
3				E by N	"	3			29.82	83	82	81		"	"	3	"
4				East	N" E	2-3			29.83	83	83	81		"	"	3	"
5				E by S	E by S	2-3			29.85	83	82	81		b c p.	cir	3	"
6				E N E	E N E	2-3			29.84	83	82	80		b c	"	3	"
7				E by N	E by N	2-3			29.89	84	83	81		b c p	"	4	"
8				E by S	East	3			29.90	85	83	82		"	"	3	"
9				"	"	2			29.90	85	84	83		"	"	2	"
10				East	S" E by E	2			29.88	85	83	82		"	"	2	"
11				E S E	S E by E	2			29.85	86	84	82		"	"	4	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 30 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 25 09 "

Coal consumed during the preceding 24 hours, tons 800 lbs.

Coal remaining on hand at Noon, 58 " 1676 "

P. M.											
1	E by S	East	2	29.84	86	85	83	b c	cirrus mixed	3	S
2	"	"	2	29.82	86	85	82	"	"	3	"
3	E by E	S E	2	29.82	85	84	83	b c p	"	3	"
4	S E by E	S E	2	29.82	85	84	83	b c	"	3	"
5	S E by E	S"	2	29.82	85	84	82	"	"	2	"
6	S E	South	2-1	29.83	84	83	82	"	"	2	"
7	S S E	"	1	29.86	84	83	82	b c l	"	4	"
8	S S W	"	1	29.84	83	83	82	"	"	6	"
9	S S E	"	1	29.84	83	81	80	"	"	6	"
10	S E by S	"	1	29.86	82	81	80	b c p	"	6	"
11	S S E	South	1	29.85	82	80	80	b c l	"	3	"
Mid.	S S E	"	1	29.83	81	80	80	"	"	4	"

under the command of Commander T. F. Jewell, U. S. Navy,
Tuesday November 22d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy and lightning in N.E. quarter. Light passing showers first and second hours. Fresh E by S breeze. Riding to wind.

W. A. Lewis
Acting Asst Surg U.S.N.

From 4 to 8 A.M.
Generally cloudy. Passing showers during 2d hours of watch. Light to gentle breeze from N.E. to E by S. Hoisted out steam cutter.

L. A. F. Deutsch
Lieut U.S.N.

From 8 A.M. to Meridian
Partly clear and cloudy with light passing showers. Gentle to light breeze from East and S.E by E. Received an official visit from the Commander of the French gun vessel Eider. At work on hull & ship of jib boom. Hoisted boilers of steam cutter on board for repairs.

W. B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.
Generally cloudy. Passing showers 3d hours. Light E by S breeze shifting back hours to S.E. Rigged out jib boom, flying boom and set up the head rigging. Put steam cutters boiler in her and made trial trip, finding her satisfactory. Filled up sand lockers with sand. Carpenters at work on air ports. Riding to wind.

W. A. Lewis
Acting Asst Surgeon U.S.N.

From 4 to 8 P.M.
Cloudy. Light airs from South and S.S.E. at sundown unmoored at quarters.

L. A. F. Deutsch
Lieut U.S.N.

From 8 P.M. to Midnight
Partly clear with heavy passing showers 2d hours. Lightning. Light airs from South to S.W.

W. B. Hoggatt
Ensign U.S.N.

3 Times Quarter.
Dec 9th S

Examined and found to be correct.

Theo. G. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor in Jamestown Harbor, Ponape Island, Carolina Islands

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				SbE	SbE	2			29.84	82	80			bs	cumuli	4	S
1				SE	"	2			29.84	81	80			bcs	"	5	"
2				"	"	2			29.84	80	79	79		"	"	4	"
3				SbE	"	1			29.84	80	79	79		"	"	3	"
4				SE	"	1			29.84	80	79	79		"	"	2	"
5				SbE	E"S	1			29.86	80	79	79		bcp	"	2	"
6				ESE	"	1			29.84	81	80	80		bs	"	1	"
7				SbE	"	1			29.90	80	79	79		"	"	1	"
8				Calm	"	0			29.93	81	80	80		ocd	"	0	"
9				ESE	ESE	1			29.93	82	81	80		bs	"	1	"
10				"	"	1			29.90	82	81	80		ocd	"	0	"
11				E"S	East	2			29.84	83	81	80		"	"	0	"
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2200 "

Coal consumed during the preceding 24 hours, tons 1680 lbs.

Coal remaining on hand at Noon, 57 " 2236 "

P. M.										
1	East	East	2	29.84	84	83	81	bs	cirrocumuli	S
2	"	"	2	29.82	85	83	81	"	"	"
3	E"S	"	2	29.81	85	84	82	"	cirrocumuli	"
4	"	E"S	2	29.82	85	84	82	"	"	"
5	ESE	"	1	29.85	85	83	81	"	"	"
6	SbE	"	1	29.86	84	83	81	"	"	"
7	SbE	"	1	29.88	84	83	81	"	"	"
8	SE	"	1	29.90	83	82	81	"	"	"
9	South	"	1	29.92	85	82	81	"	"	"
10	EbyS	"	1	29.92	84	82	81	bcp	cumuli	3
11	SE	"	1	29.91	83	81	80	bcp	cirri	3
Mid.	"	SbE	1-2	29.90	82	81	80	bcpg	"	3

under the command of Commander T. F. Jewell, U. S. Navy,

Wednesday November 29, 1865.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Variable A.M.

Partly cloudy with cumulus clouds. Light breeze decreasing to light airs last hours from S.S.E. Lightening to the E. Barometer steady. Rising to noon.

W.A. Lopis
Asst Surgeon U.S.N.

From 4 to 8 A.M.

Cloudy. Light airs from E.S.E. to E.

A.F. Jewett
Lieut U.S.N.

From 8 A.M. to Meridian

Overcast with occasional drizzling rain. Calm. Light airs and breeze from Ebb S. and East. Chief Engr J.W. Thiers, Surgeon Hawkes, Lieut Galloway Paymaster Smith and Ensigns Pound & Lowing returned from leave. Steamer vessel "Kamila" left the harbor at 11:30.

W.B. Hoggatt
Ensign U.S.N.

From Meridian to 4 P.M.

Partly clear with cirrus and cumulus clouds. Bright and warm. Light breeze from East. No tidal current. Weighed all cork from cotton and found per cent of moisture right.

H. Townsend
Ensign U.S.N.

From 4 to 8 P.M.

Clear and pleasant weather. Light airs from E.S.E. Visited steam cutter. Making preparations for sea.

T.J. Young
Ensign U.S.N.

From 8 P.M. to Midnight

Primarily clear and very warm. Second hour light rain squall passed over ship. Frequent rains over the land. Light airs to light breeze from E.S.E. Bright moonlight.

T.D. Galloway
Lieut U.S.N.

☽ First Quarter
Dec. 5° S

Examined and found to be correct.

Thos. J.M. Mason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor in Jamestown Harbor, Panapi Island, Caroline Group.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1						1			29.88	83	81	80		b.c.	cum, Strat	5	9
2					"	1			29.86	82	81	80		b.c.	"	4	"
3					"	1			29.85	82	82	81		b.c.l.	"	4	"
4					"	1			29.85	83	82	81		b.c.p.	"	4	"
5					"	1			29.84	83	82	81		b.c.	"	6	"
6					"	1			29.89	82	81	80		"	"	4	"
7					"	1			29.89	80	80	79		"	"	5	"
8					"	1			29.90	84	83	79		"	cir, cum	5	"
9					"	2			29.93	85	83	79		"	"	5	"
10					"	3			29.93	86	85	80		"	"	5	"
11					"	3			29.93	86	85	80		"	"	6	"
Noon.				East	"	3			29.90	86	86	80		"	"	6	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by D. R. N 2 ° 32' 02"
- Longitude by 00 E 157 ° 51' 30"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1950 "

Coal consumed during the preceding 24 hours, 1 tons 400 lbs.

Coal remaining on hand at Noon, 56 " 1856 "

P. M.														
1				East	N. E.	2	29.90	84	86	81	b.c.	cir, cum	6	9
1.50				Sto. & steering out of										
2	1	4	41.4	Jamestown Harbor	"	2	29.86	86	86	81	"	"	6	"
3	2	0	48.4	N. W.	"	2	29.88	86	85	84	"	cum	6	"
4	1	5	52.8	"	E. N. E.	2	29.88	86	80	84	"	"	5	"
5	6	1	58.9	"	"	2	29.90	86	84	84	"	"	4	"
6	6	9	65.8	"	"	2	29.91	85	83	84	b.c.p.	"	4	"
7	2	2	72.0	"	N. E.	2	29.92	85	83	84	b.c.	"	4	"
8	2	0	80.0	"	"	23	29.92	85	82	84	"	"	5	"
9	6	2	86.2	"	"	2	29.94	84	82	84	"	"	2	"
10	2	0	93.2	"	"	2	29.95	83	82	84	b.c.l.	"	6	"
11	6	4	100.1	"	"	2	29.96	83	82	84	b.c.	"	6	"
Mid.	6	6	106.7	"	"	2	29.95	84	82	84	b.c.l.	"	2	"

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday November 24th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unfits A M

Passing rain showers. Generally cloudy. Calm & light airs from S.

From 4 to 8 A. M. — Lieut C. F. Jewell U.S.N.

Partly clear pleasant. Light airs & breeze from E. & S.E. to S.E.

From 8 A M to Meridian — Ensign W. B. Hoggatt U.S.N.

Partly clear with cirro-cumulous clouds. Bright & warm. Gentle breeze from E.S.E. to tidal current. At 8 o'c, started fires in boilers 2 & 5 Port. Getting ship ready for sea. At 11 o'c brought to chain & hove in to 90 fms. James Clarke, a citizen of the United States, was received on board from Spanish brig "Dona Maria de Gloria" and transferred from this vessel to the custody of the Spanish Consular Agent at Gonaives.

From Meridian to 4 P M — Ensign C. F. Thompson U.S.N.

Partly clear. Rain squalls to 8 & 9. Light breeze from N.E. at 1:10 hove up anchor and got underway. Ships draft 13.5 fwd 15.7 aft. At 1.30 got over P.L. heading S.S.W. & set course N.W. At 2. set fore & aft sails & foresail. At 3.00 took in all sail & at 3.10 began to swing ship for compass deviations. Finished swinging ship at 3.55 & set fore & aft sail and foresail. Steaming with four boilers. P.L. 5.2.8.

From 4 to 6 P. M. — Ensign C. F. Thompson U.S.N.

Cloudy with passing showers. Light breeze from N.E. & E.N.E. Smooth sea. Gentle squall from N.E. Made sail to topsails & light sails. At end of watch main trysail & plain sail to light sails except mainsail & steam.

From 6 to 8 P. M. — Lieut R. T. Galloway U.S.N.

Weather pleasant. Partially cloudy. Bright moonlight. Light breeze from E.N.E. hauling to N.E. & freshening slightly last half of watch. Under steam & plain sail to light sails except mainsail

From 8 P. M. to Midnight. — Lieut C. F. Jewell U.S.N.

Bright moonlight with occasional lightning to N.W. & W. Pleasant. Light breeze from N.E. On course N.W., under steam & plain sail to light sails except mainsail

W. B. Hoggatt U.S.N. Ensign

3 First Quarter
Sec 1° S

Examined and found to be correct.

Wood B. M. Mason
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	4	13.4	N W	N E	2-3			29.95	84	83	79	84	b.c.	Cu cumu	4	S L
2	6	4	20.1	"	"	2-3			29.92	84	83	79	84	"	cumu nimb	7	"
3	7	0	27.1	"	"	3			29.91	84	83	78	84	"	cumu	7	"
4	6	8	33.9	"	"	3			29.91	84	82	79	84	"	"	7	"
5	7	0	40.9	"	"	3			29.92	84	82	79	84	b.s.	cumu nimb	4	"
6	6	8	47.7	"	"	3			29.94	83	82	79	84	b.c.p.	"	1	"
7	7	5	55.2	"	"	3			29.96	83	81	78	84	"	"	2	"
8	7	9	63.1	"	"	3			29.97	83	81	79	84	"	"	3	"
9	7	7	70.8	"	E N E	3			29.98	83	82	80	83	b.s.	ci cumu	5	S
10	7	4	78.2	"	"	2-3			29.99	83	82	79	83	"	"	4	"
11	7	9	86.1	"	East	3			29.94	80	80	78	83	b.c.r.q.	cumu nimb	3	"
Noon.	8	2	94.1	"	"	3			29.95	80	80	79	83	b.c.p.	ci	2	"

Course and distance made good since preceding noon by observations, N W 1/2 N 159 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 8 59.0 "
- Longitude by D. R. — E 156 38.0 "
- Latitude by observations of ⊙ — N 9 02.0 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 156 39.0 "

Position at 8 a. m.
- Latitude by — N 8 35.0 "
- Longitude by — E 156 58.0 "

Position at 8 P. M.
- Latitude by — N 9 44.0 "
- Longitude by — E 156 01.0 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1659 "

Coal consumed during the preceding 24 hours, 5 tons 1040 lbs.

Coal remaining on hand at Noon, 51 " 796 "

P. M.														
1	7	3	101.6	N W	E N E	3	29.93	81	80	79	83	b.c.p.	cumu nimb	2	S L
2	7	9	9.5	"	"	3-4	29.90	82	81	79	83	"	"	2	"
3	8	5	18.0	"	"	4	29.90	82	81	78	83	b.s.	"	1	"
4	7	2	25.2	"	"	3-4	29.90	82	81	79	83	b.c.p.	"	1	"
5	6	9	32.1	"	N E by E	3	29.92	83	82	79	83	"	"	1	"
6	6	0	38.1	"	N E	4	29.94	83	82	79	83	b.s.	"	0	"
7	5	7	43.8	"	N E by E	6	29.94	83	82	79	83	"	"	0	"
8	5	1	48.9	"	"	3	29.95	83	82	79	83	"	"	0	"
9	5	8	54.7	"	"	3	29.98	83	82	80	83	b.s.	cu cumu nimb	3	"
10	5	9	60.6	"	"	3	29.98	83	82	80	83	"	cu cumu	5	"
11	6	1	66.7	"	"	3	29.95	83	82	80	83	"	"	5	"
Mid.	6	9	73.7	"	"	3	29.95	83	82	79	83	"	"	4	"

Lyman Alt 113' Sol Alt 10° Lay E 156° 47'

under the command of Commander T. F. Jewett, U. S. Navy,

Friday November 25th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends as follows.

Partly clear with cir. cumm. and mimb. clouds. Bright & pleasant. Moon set in a cloud bank at 1m. Occasional lightning from different parts of horizon. Light to gentle breeze from N. E. Smooth sea, with long easy swell from N by E. Ship riding easily. At end of watch on course N.W., under steam & plain sail to t'gall sails except mainsail.

E. N. Parmenter
Ensign U.S.N.

From 4 to 8 A.M.

Cloudy weather. Cumulus & nimbus clouds. Gentle breeze from N.E. Plain sail to t'gall sails except mainsail. Course N.W. Steaming with four boilers.

F. Toomey
Ensign U.S.N.

From 8 A.M. to Meridian

Fair & warm first part with gentle breeze from N.E. During last half of watch several squalls with heavy rain passed over, then light continuous rain. Stiff to moderate breeze from East. Took in & set t'gall sails as necessary during squalls. Sea smooth. Gentle swell from N.E. at 9.20m, wind to five quarters, water 6 to. Exercised 1st and 2d Divisions at Single Sticks. Shifted braces to proper lead.

E. Galloway
Lieut U.S.N.

From Meridian to 4 P.M.

Overcast & cloudy with occasional light drizzling rain. Gentle to moderate breeze from E.N.E. Under steam & plain sail to t'gall sails except mainsail. Course N.W. Instructed apprentices of first watch at signals.

A. T. Tichenor
Lieut U.S.N.

From 4 to 6 P.M.

Overcast with moderate passing showers first hour. Gentle to moderate breeze from N.E. by E. & N.E. At 4.40 hauled fires from boilers 2 & 5 on account of leak in No. 2. At 5.20 transferred fires to 1 & 3 for distilling. Stopped engines and uncoupled propeller. Under plain sail to t'gall sails on course N.W. at end of watch.

W. B. Haggatt
Ensign U.S.N.

From 6 to 8 P.M.

Cloudy & pleasant. Clouds cumm. and mimb. Overcast, but moon shining faintly. Gentle breeze from N.E. by E. Smooth sea with moderate, easy swell from N.E. Ship rolling easily. At end of watch, on course N.W., under plain sail to t'gall sails except mainsail.

E. N. Parmenter
Ensign U.S.N.

From 8 P.M. to Midnight

Fair & pleasant weather. Gentle breeze from N.E. by E. Plain sail to t'gall sails except mainsail. Course N.W. Smooth sea. At 9.0m began distilling.

F. Toomey
Ensign U.S.N.

Examined and found to be correct.

Thos. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

At-Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	8	2485	NW	ENE	3			29.94	83	82	80	83	b.c.	cum-nim	4	SM
2	6	0	84.5	"	"	3			29.93	83	82	79	83	"	"	5	"
3	5	9	90.4	"	"	3			29.92	83	82	79	83	"	"	2	"
4	6	0	96.4	"	"	3			29.92	83	81	78	83	"	"	6	"
5	5	7	102.1	"	ENE	4			29.92	83	82	79	83	o.c.	"	0	"
6	5	9	8.0	"	"	4			29.94	83	81	79	83	b.c.p.t.	"	2	"
7	6	6	14.6	"	ENE	4			29.96	83	82	79	83	b.s.	cir.	4	"
8	6	0	20.6	"	"	4			29.98	84	83	80	83	"	"	4	"
9	8	1	28.7	"	"	4		1/4	30.01	84	82	80	83	"	"	5	"
10	7	0	35.7	"	"	4		1/4	30.00	84	83	79	84	"	cir-cum	5	"
11	3	4	39.4	NW by N	"	4		1/4	29.98	84	83	80	84	"	"	5	"
Noon.	5	6	44.0	"	"	4		1/4	29.98	84	83	80	84	"	nim	5	"

Sqwall 11:36 Lat N 10°55 Long E 155°

Course and distance made good since preceding noon by observations, NW 1/4 N 164 knots tenths.

Position at Noon:
- Latitude by D. R. — N 11 ° 01 · 00 "
- Longitude by D. R. — E 154 ° 56 · 00 "
- Latitude by observations of ⊙ — N 11 ° 03 · 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 154 ° 28 · 00 "

Position at 8 a. m.
- Latitude by DR — N 10 ° 39 · 00 "
- Longitude by 00 — E 155 ° 14 · 00 "

Position at 8 P. M.
- Latitude by 00 — N 11 ° 45 · 00 "
- Longitude by 00 — E 154 ° 25 · 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 650 "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, 2 tons 1840 lbs.

Coal remaining on hand at Noon, 48 " 1196 "

P. M.														
1	5	1	52.5	NW by N	ENE	4		29.93	82	81	79	82	t.c.qr	cir-cum-nim	3	SL
2	6	3	58.8	"	"	4		29.91	83	82	79	82	t.c.p.	"	4	"
3	6	1	64.9	"	"	4		29.90	83	83	80	82	b.s.	cir-cum	5	"
4	6	4	71.3	"	"	4		29.90	83	82	79	82	"	"	5	"
5	6	4	77.7	"	NE by E	4	1/2	29.90	83	82	79	83	"	cum-nim	6	SM
6	6	0	83.7	"	"	4	1/2	29.91	83	82	79	83	"	"	5	"
7	5	8	89.5	"	"	4		29.94	83	82	79	83	b.c.p.	"	6	"
8	5	5	95.0	"	"	4		29.96	83	82	79	83	"	"	4	"
9	6	4	101.4	"	"	4		29.96	83	82	79	83	b.s.	"	6	SM
10	2	1	8.5	"	"	4-5		29.94	83	81	79	83	"	"	6	"
11	6	8	15.3	"	ENE	4-5		29.94	83	82	79	83	b.c.p.	"	4	"
Mid.	6	2	21.5	"	"	4		29.93	83	82	78	83	b.s.	"	4	"

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday November 25th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends as a M

Generally fair with heavy cumulus clouds passing over with occasional Moderate breeze from E.N.E. Smooth sea with swell from N.E. A few flashes of lightning about Eastern horizon first part.

E.D. Galloway Lieut U.S.N.

From 4 to 8 A.M.

Generally cloudy. Rain first hour. Moderate breeze from E. by N. & E.N.E. at 6: set royals & flying jib. Loosed royal yards & set royals & flying jib. Under all plain sail except mainsail. Course N. by E.

A.T. Semmes Lieut U.S.N.

From 8 A.M. to Meridian

Partly clear. Pleasant. Moderate breeze from E.N.E. Set mainsail at 10:36 changed course to N. by E. At end of watch in course N.N.E. by N. Plain sail to royals except mainsail. Distilling.

E. McGregor Ensign U.S.N.

From Meridian to 4 P.M.

Partly clear. Generally bright & pleasant. Light passing rain squalls 1st hour to which took in royals & flying jib. Set royals & flying jib at 12 M. Moderate breeze from E.N.E. Smooth sea with moderate E. swell. Ship carefully Board of Survey condemned to be thrown overboard two bbls each of Roast Beef put up by Cutting Packing Co. Chicago (1 tierce 2 bbls) of canned corn put up by Jed. Jones, Portland Maine, Journal received by open Memorandum from Fleet Paymaster Torpedo, Oct 14 1882 Letter from U.S.S. Brooklyn, Sept 12 1882. Distilling At end of watch under plain sail to royals except mainsail on course N. by E.

F.C. Bancroft Ensign U.S.N.

From 4 to 6 P.M.

Generally clear rain squalls to N. Moderate breeze from N.E. by E. Smooth sea. Plain sail to royals except mainsail. Course N. by E. Distilling.

J. Toombs Ensign U.S.N.

From 6 to 8 P.M.

Generally clear & coarse but with frequent light rain squalls passing over with lightning. Gentle to moderate breeze from N.E. by E. Sea smooth. Gentle breeze from N.E. at 7. Furled royals & flying jib. Bright moonlight. Distilling.

E.D. Galloway Lieut U.S.N.

From 8 P.M. to Midnight

Generally clear & pleasant. Bright moonlight. Moderate to stiff breeze from N.E. by E. first half of watch, then moderate from E. by N. Plain sail to light sails except mainsail. Course N. by E. Distilling.

A.T. Semmes Lieut U.S.N.

Examined and found to be correct.

Theo. B. M. Mason Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	0	21.5	N.W. by N.	N.E. by E.	4-5		3/4	29.94	81	80	78	82	b c s s o	cirrus cumulus	4	4
2	5	3	32.8	"	"	4		1/2	29.93	82	81	78	82	b s	"	4	"
3	6	1	39.2	"	"	4		1/2	29.91	83	81	79	82	b c l	"	6	"
4	7	1	46.2	"	"	4-5		1/2	29.90	83	82	79	82	b c q s l	"	6	"
5	6	9	52.9	"	"	3-4		1/2	29.92	83	82	78	82	b c s l	cumulus	7	"
6	7	4	60.3	"	"	4		1/2	29.93	83	82	78	82	b c l	cirrus cumulus	6	"
7	8	1	68.4	"	"	4		1/2	29.94	82	82	79	82	b s	"	7	"
8	7	7	76.1	"	"	4		1/2	29.95	83	82	79	82	"	"	6	"
9	9	8	85.9	"	"	4		1/2	29.98	83	82	79	82	"	"	9	"
10	7	6	93.5	"	"	4		1/2	29.98	83	82	79	82	"	"	9	"
11	8	0	101.5	"	"	4		1/2	29.98	84	83	79	82	"	"	9	"
Noon.	7	3	108.8	"	"	4		1/2	29.93	84	83	79	82	"	"	9	"

Course and distance made good since preceding noon by observations, N. W 1/2 N. 141 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 13 ° 14' 00 "
- Longitude by D. R. — E 153 ° 19' 00 "
- Latitude by observations of ⊙ — N 13 ° 14' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 153 ° 03' 00 "

Position at 8 a. m.
- Latitude by D. R. — N 12 ° 54' 00 "
- Longitude by do — E 153 ° 37' 00 "

Position at 8 P. M.
- Latitude by do — N 13 ° 08' 00 "
- Longitude by do — E 152 ° 20' 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 950 "

Water remaining on hand fit for use at Noon, 2650 "

Coal consumed during the preceding 24 hours, 1 tons 640 lbs.

Coal remaining on hand at Noon, 47 " 556 "

P. M.																	
1	6	7	15.5	N.W. by N.	N.E. by E.	4		1/2	29.92	84	83	78	83	b s	cirrus cumulus	7	4
2	6	7	22.2	"	"	4		1/2	29.90	85	83	78	83	"	"	7	"
3	6	7	28.9	"	"	4		1/2	29.89	84	83	78	83	"	"	7	"
4	6	7	35.8	"	"	4		1/2	29.90	84	83	79	83	"	"	7	"
5	7	3	43.1	"	"	4		1/2	29.91	83	82	78	82	"	cirrus cumulus	7	"
6	7	0	50.6	"	"	4		1/2	29.93	83	82	78	82	"	"	10	"
7	7	0	58.1	"	N" E	5		1/2	29.96	83	82	78	82	"	"	6	"
8	7	7	65.5	"	N.E. by E	5		1/2	29.93	83	82	78	82	"	"	6	"
9	7	7	72.8	"	"	4		1/2	29.96	83	82	78	82	"	cumulus	8	"
10	7	2	80.0	"	"	4		1/2	29.96	83	82	78	82	"	"	8	"
11	7	2	87.2	"	"	4		1/2	29.96	83	82	78	82	"	cumulus	8	"
Mid.	7	0	94.2	"	"	4		1/2	29.96	83	82	78	82	"	cumulus	10	"

under the command of Commander T. F. Jewett, U. S. Navy,

Sunday November 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unfinished A.M.

Partly clear with light rain squalls first and last hours. Lightning to S. last two hours. Moderate to stiff breeze from N. E. by E. At 3.00 stopped distiller. At end of watch on course N. W. by N. under plain sail to tgsl. sails except mainsail. Moderate sea from N. E.

W. B. Hoggatt
Ensign U.S.N.

From 4 to 8 A.M.

Partly clear with cum.-nimb. and cir.-cum clouds. Passing showers 1st hour. Occasional lightning 1st part. Gentle to moderate breeze from N. E. by E. Moderate sea and swell from N. E. by E. Ship generally steady. At 5 o'c lowered smoke pipe and set mainsail, taking in middle sail and at 6 o'c set royals and flying jib. At end of watch on course N. W. by N. under plain sail to royals.

W. H. Townsend
Ensign U.S.N.

From 8 A.M. to Meridian

Clear and pleasant weather. Moderate breeze from N. E. by E. Moderate sea. Light swell from N. E. Plain sail to royals. Course N. W. by N. At 9.30 mustered and inspected at quarters. P. L. E.

J. N. Young
Ensign U.S.N.

From Meridian to 4 P.M.

Clear warm and pleasant weather. Moderate to stiff breeze from N. E. by E. Moderate sea with moderate swell from N. E.

W. D. Galloway
Ensign U.S.N.

From 4 to 6 P.M.

Clear and pleasant. Moderate breeze from N. E. by E. Plain sail to royals. Course N. W. by N.

C. A. F. Dempsey
Ensign U.S.N.

From 6 to 8 P.M.

Generally clear, pleasant. Stiff breeze from N. E. and N. E. by E. At 6. to hoist in and furled royals and flying jib. On course N. W. by N. under plain sail to tgsl. sails at end of watch

W. B. Hoggatt
Ensign U.S.N.

From 8 P.M. to Midnight

Partly clear with cumulus and occasional nimbus clouds passing over from N. E. Bright moonlight. Pleasant weather. Moderate breeze from N. E. by E. with moderate irregular seas from N. E. to E. N. E. Ship rolling easily. At end of watch, under plain sail to tgsl. sails on course N. W. by N.

W. H. Townsend
Ensign U.S.N.

Examined and found to be correct.

Thos. B. M. Mason.
Lieut. and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	4	102.1	N.W.b.N.	N.E.b.E.	4		1/4	29.96	83	82	78	82	b.s	cirrus	5	4
2	7	4	9.5	"	"	4		1/4	29.94	83	82	78	82	"	"	5	"
3	6	9	16.4	"	"	4		1/4	29.92	83	82	78	82	"	"	5	"
4	7	0	23.4	"	"	4		1/4	29.92	83	81	78	82	"	"	5	"
5	6	8	30.2	"	"	4		1/2	29.93	82	81	77	82	"	cumu	8	"
6	7	1	37.3	"	"	4		1/2	29.95	82	81	77	82	"	"	6	"
7	7	5	44.8	"	"	4		1/2	29.97	82	81	77	82	"	cirrus	5	"
8	7	3	52.1	"	"	4		1/2	29.99	82	81	78	82	"	"	2	"
9	10	0	61.1	"	"	4		1/2	30.02	83	82	78	82	"	"	2	"
10	7	5	69.6	"	"	4		1/2	30.04	83	82	79	82	"	"	6	"
11	7	2	76.8	"	"	4		1/2	30.04	83	82	79	82	"	"	6	"
Noon.	7	7	84.5	"	"	4		1/2	30.04	83	82	79	82	"	"	7	"

Course and distance made good since preceding noon by observations, N.W. 1/2 N. 183 knots tenths.

Position at Noon:
- Latitude by D. R. — N 15 ° 30' 00"
- Longitude by D. R. — E 151 ° 02' 00"
- Latitude by observations of ⊙ — N 15 ° 36' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ — E 150 ° 52' 00"

Position at 8 a. m.
- Latitude by D R — N 15 ° 30' 00"
- Longitude by do — E 152 ° 02' 00"

Position at 8 P. M.
- Latitude by do — N 16 ° 22' 00"
- Longitude by do — E 150 ° 18' 00"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 399 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2300 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 47 " 156 "

P. M.																	
1	7	5	92.0	N.W.b.N.	N.E.b.E.	4		1/2	29.95	84	83	79	82	b.s	cirrus	2	4
2	7	8	99.8	"	"	4		1/2	29.94	84	83	79	82	"	"	2	"
3	7	2	107.5	"	"	4		1/2	29.94	84	83	79	82	"	"	2	"
4	7	5	15.0	"	"	4		1/2	29.95	84	82	79	82	"	"	2	"
5	6	9	21.9	"	"	3-4		1/2	29.94	84	82	79	82	"	"	6	"
6	7	3	29.2	"	"	4		1/2	29.94	84	82	79	82	"	"	5	"
7	7	3	36.5	"	"	4		1/2	29.98	84	82	79	82	"	"	6	"
8	6	8	43.3	"	"	4		1/2	29.98	83	82	79	82	b.c.fg.	mist	4	"
9	6	5	49.8	"	"	3		1/2	30.00	81	80	78	82	"	"	3	"
10	7	9	57.7	"	E.N.E.	4		1/2	30.02	82	81	78	81	"	"	6	"
11	7	1	65.8	"	"	4		1/2	30.05	82	81	78	81	b.s	"	5	"
Mid.	6	6	71.4	"	N.E.b.E.	3-4		1/2	30.03	81	80	78	81	b.c.	"	3	"

under the command of Commander T. F. Jewett, U. S. Navy,

Monday November 28th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at 4 A.M.

Fair weather. Moderate brez from N. E by E. Moderate sea. Plain sail to light sails. Course N. W by N. P. L 23 ms

T. F. Jewett
Comdr U. S. N

From 4 to 8 A.M.

Clear pleasant weather. Cir-cum clouds constantly passing over with wind. Moderate to stiff brez from N. E by E. Sea smooth. Fresh swell from N. E. At 6 got royals and flying jib. Fresh swell from N. E.

T. D. Galloway
Lieut U. S. N

From 8 A.M. to Meridian

Clear and pleasant. Moderate brez from N. E by E and N. E. At 9 a.m. went to General Quarters, the divisional officers then continued the drill. Overhauled and found in good condition gun-cotton primers, electric batteries and magazine and shell room flood cocks. Plain sail to royals. Course N. W by N.

A. F. Doughty
Lieut U. S. N

From Meridian to 4 P.M.

Clear and pleasant. Moderate brez from N. E by E. Exercised the signal class of watch below at Army and Navy code of signals. Ship on starboard tack under plain sail to royals. On course N. W by N. Moderate sea from N. E by E.

W. H. Goggin
Ensign U. S. N

From 4 to 6 P.M.

Partly clear, bright and pleasant. Clouds cir-cum. Moderate brez from N. E by E. Moderate N. E. sea, with swell from E by N. Ship rolling easily. Quarters for muster at 5 o'c. At end of watch, under plain sail to royals, on course N. W by N.

E. H. Longstaff
Ensign U. S. N

From 6 to 8 P.M.

Partly clear and pleasant weather. Passing pain squalls, last hour. Moderate brez from N. E by E. Squally last hour. Moderate sea. Ship rolling easily. At 7:30 took in royals and flying jib. C. P. L 23°

T. F. Jewett
Comdr U. S. N

From 8 P.M. to Midnight

During first and last hours passing pain squalls, second and third hours clear and pleasant. Fresh to stiff brez from N. E by E and E. N. E. Sea smooth. Fresh swell from N. E. Bright moonlight.

T. D. Galloway
Lieut U. S. N

Examined and found to be correct.

Thos. A. M. Mason
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	3	24.4	N.W. by N.	N. E. by E.	3-5		1/2	30.02	83	81	74	81	b.c.p.	cir. cumu.	4	
2	4	1	84.8	"	E. N. E.	4		1/2	29.99	83	81	74	81	b.c.	"	8	"
3	4	0	91.8	"	"	4-5		1/2	29.99	83	81	74	81	"	"	8	"
4	4	3	99.1	"	"	5		1/2	29.99	83	81	74	81	"	"	8	"
5	4	4	106.5	"	N. E. by E.	4		1/2	29.99	83	81	74	81	"	"	8	"
6	4	2	13.4	"	"	4		1/2	30.01	82	81	74	81	"	cumu.	5	"
7	4	4	21.1	"	"	4		1/2	30.03	82	81	74	81	"	"	5	"
8	4	4	28.5	"	E. N. E.	4			30.06	83	81	74	81	"	cir. cumu.	5	"
9	8	9	37.4	"	"	4		1/4	30.06	83	81	78	82	"	cumu.	2	"
10	4	4	44.8	"	"	4		1/4	30.06	83	82	78	82	"	"	2	"
11	4	1	51.9	"	"	4			30.04	83	82	78	82	"	"	8	"
Noon.	4	3	59.2	"	"	4			30.04	83	82	78	82	"	"	4	"

Course and distance made good since preceding noon by observations, N. W. 3/4 N. 146 knots. tenths.

Position at Noon:
- Latitude by D. R. — N. 14 — 54.0 "
- Longitude by D. R. — E. 149 — 03.0 "
- Latitude by observations of ⊙ — N. 14 — 52.0 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E. 149 — 08.0 "

Position at 8 a. m.
- Latitude by Lunar — N. 14 — 24.0 "
- Longitude by " — E. 149 — 22.0 "

Position at 8 P. M.
- Latitude by " — N. 13 — 32.0 "
- Longitude by " — E. 148 — 42.0 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 309 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2059 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 46 " 1996 "

P. M.																	
1	6	5	66.4	N. W. 1/4 N.	E. N. E.	3			29.99	83	82	74	82	b.c.	cir. cumu.	8	
2	5	8	4.5	"	"	3			29.99	83	82	74	82	"	.	4	"
3	6	4	14.9	"	"	3			29.96	83	82	74	82	"	.	4	"
4	6	1	84.0	"	"	3			30.00	84	82	74	82	"	.	6	"
5	5	8	89.0	"	E. by N.	3			30.00	84	82	74	82	b.c.p.	mists	2	"
6	6	1	95.9	"	E. by E.	3			30.01	84	82	74	82	"	cumulus	3	"
7	5	8	101.4	"	E. S. E.	3-4			30.02	84	82	74	82	b.c.	"	6	"
8	6	5	8.2	N. N. W.		4			30.02	84	82	74	82	b.c.p.	"	4	"
9	6	3	14.5	"	E. by S.	4			30.06	83	82	74	82	b.c.	cumu.	8	"
10	5	4	20.2	"	E. by S.	3			30.06	83	82	74	82	" d.	"	4	"
11	5	4	25.6	"	"	3			30.06	83	82	74	82	b.c.	"	8	"
Mid.	5	3	30.9	"	"	3			30.05	83	82	74	82	"	"	8	"

under the command of Commander T. F. Jewell, U. S. Navy,
Tuesday November 29th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear & pleasant Bright moonlight. A very light rain shower during first hours. Quite to stiff breze during first hours from N.E. by E. Last three hours moderate to stiff breze from E. by N. E. Plain sails to t'gall sails. Course N. by N.

T. A. T. Jewell
Lieut U. S. N.

From 4 to 8. A.M.

Clear & pleasant. Moderate breze from N.E. by E. & N.E. at 6. a.m. royals & flying jib. On course N. by N. under plain sail to royals. Moderate sea from E. by E.

W. B. Boyd
Ensign U. S. N.

From 8. A.M. to Meridian

Generally clear & bright. Warm. Light cumulus clouds mostly around horizon. Moderate breze from E.N.E. Moderate sea from E.N.E. with moderate easy swell from E. by N. Set clock back 11 minutes between 8 & 9 o.c. At 9 o.c. called to quarters for inspection after which Drilled Boarders of 1st 2d 3d & Navigators Divisions at Cutlass & Pistol & Drill, Engineers at Rifles & Powder at Single Sticks. Scraped jib & flying jib booms. At end of watch under plain sail to royals, on course N. by N.

H. C. Poundstone
Ensign U. S. N.

From Meridian to 4 P.M.

Clear & warm. Quite breze from E.N.E. Moderate swell from E.N.E. Exercised Marine Guard at Skirmish & Signal class at Army & Navy code of signals. Sail-maker at work on steam cutter's canopy. Carpenters Gang at work on top sail fid fore topmast fore. Lock frame of fiddock fore overboard. Ship under plain sail to royals & sent gaff topsail. On course N. by W. by N, starboard tack. At end of watch P.L. read 84.0

T. Snowden
Ensign U. S. N.

From 4 to 6 P.M.

Fair & warm, passing showers. Wind gentle from E.N.E. to E.S.E. Sea smooth. Ship rolling deeply at times to swell from N.E. At 5 P.M. secured at quarters.

E. B. Calloway
Lieut U. S. N.

From 6 to 8 P.M.

Clear & pleasant Gentle to moderate breze from E.S.E. at 7 p.m. changed course to N.N.W. P.L. 101.7 Plains Sail to royals.

A. F. Fechteler
Lieut U. S. N.

From 8 P.M. to Midnight

Clear & pleasant with very slight drizzling rain every hour. Moderate to fresh breze from East & E. by N. On course N.N.W. under plain sail to royals Moderate sea from E by N.

W. B. Howard
Ensign U. S. N.

Examined and found to be correct.

Theo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	1	37.0	N.N.W	East	3-4			30.06	82	81	77	81	b.s	cum. strs	8	S.L.
2	4	7	41.7	"	"	3			30.04	82	81	77	81	"	"	9	"
3	4	3	46.0	"	"	3			30.05	82	81	77	81	"	cir. cum.	7	"
4	4	0	50.0	"	"	3			30.03	82	81	78	81	"	"	5	"
5	4	8	55.3	"	"	3			30.03	82	81	78	81	"	cir. cum.	1	"
6	4	1	59.4	"	"	3			30.04	82	81	78	81	b. cl.	cir. cum.	2	"
7	4	0	63.4	"	E by S	3			30.04	82	80	77	81	b.s	"	4	"
8	3	3	66.7	"	E.S.E	3			30.08	82	81	78	81	"	cir. cum. strs	6	"
9	3	5	70.2	"	"	3			30.10	82	81	77	81	"	"	6	"
10	2	3	72.5	"	"	2			30.09	83	82	77	81	"	"	6	"
11	3	0	74.5	"	S.E	1-2			30.04	83	82	77	82	"	"	6	"
Noon.	3	0	76.9	"	S.E	1-2			30.04	83	82	77	82	"	"	6	"

Course and distance made good since preceding noon by observations, N.N.W 1/2 W 117 knots tenths.

Position at Noon:
- Latitude by D. R. 19 ° 37.0 "
- Longitude by D. R. 148 ° 12.0 "
- Latitude by observations of ⊙ 19 ° 39.0 "
- Longitude by chronometer from Forenoon Observations of ⊙ 148 ° 17.0 "

Position at 8 a. m.
- Latitude by D R 19 ° 22.0 "
- Longitude by " 148 ° 21.0 "

Position at 8 P. M.
- Latitude by " 19 ° 35.0 "
- Longitude by " 148 ° 12.0 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 30 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 17,550 "

Coal consumed during the preceding 24 hours, tons 720 lbs.

Coal remaining on hand at Noon, 46 " 1276 "

P. M.																	
1	2	1	79.9	N.N.W	S.E	1-2			30.01	84	83	79	82	b.s	cir. cum.	7	S.L.
2	1	9	80.8	"	"	1			29.99	84	83	79	82	"	"	7	"
3	1	9	80.3	"	"	1			29.98	84	83	79	82	"	"	7	"
4	1	9	80.3	"	"	1			29.98	84	83	79	82	"	"	7	"
5	0	5		"	"	0-1			29.99	83	82	78	82	"	cir.	4	"
6	0	5		"	"	0-1			29.99	83	82	78	82	"	"	8	"
7	0	5		"	"	0-1			29.99	83	83	79	82	"	cum. str.	8	"
8			Veering ropes		Calm	0			30.00	83	83	79	81	"	"	9	"
9				"	"	0			30.00	83	82	78	81	"	"	8	"
10				"	"	0			30.00	83	82	78	81	"	"	8	"
11				"	"	0			30.00	83	82	78	81	"	"	8	"
Mid.				"	"	0			30.01	83	83	78	81	"	cir. cum. str.	8	"

under the command of Commander T. F. Jewell, U. S. Navy,

Wednesday November 30th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Partly clear, bright moonlight. Light cirro-str. clouds around horizon 1st part, cirro-cumulus, heavy cumulus clouds passing over from East latter part. Moderate to gentle breeze from East. Smooth sea with long Ely swell. Ship rolling deeply at times. At end of watch, on course N.N.W. under plain sail to royals.

E. H. Tompkins
Ensign U.S.N.

From 4 to 8 A.M.

Cloudy, gradually clearing to fair weather. Light passing showers during hour. Gentle breeze from East, gradually veering to E.S.E. at end of watch. Smooth sea. Plain sail to royals until 6 when took in spanker. Course N.N.W. P.L. 66

F. J. Tomlin
Ensign U.S.N.

From 8 A.M. to Meridian

Clear and warm. Light breeze from E.S.E. and S.E. at 9 A.M. quarters, exercised 1st, 2d & 3d Divisions at Great Guns. Sea smooth. Ship pulling to gentle swell from N.E. Light rain showers to leeward of ship. At end of watch light increasing breeze from S.E., hauled up weather clews of mainsail & hailed down fore topmast stay-sail & flying jib. Scraped fore gaff & mizzen topmast.

E. S. Galloway
Lieut. U.S.N.

From Meridian to 4 P.M.

Clear and warm. Light S.E. airs. Gentle swell. At 1. stood by hammocks and piped bedding. Exercised signal class to watch below at Army and Navy code of signals. Finished scraping mizzen topmast & slushed it down. Ship under plain sail to royals except flying jib, spanker & gaff topsail. P.L. read at end of watch 80.

L. A. Jouett
Lieut U.S.N.

From 4 to 6 P.M.

Clear pleasant. Calm and light airs from S.E. at 5. minutes, cleared up at quarters. At 5.15 hauled up lee clew of mainsail. Moon rose at 5.30.

E. M. Hogg
Ensign U.S.N.

From 6 to 8 P.M.

Clear with light cumulus clouds. Bright moonlight. Pleasant. Light airs from S.E. 1st hour. Calm afterwards. No current run. Course N.N.W. At end of watch ship under square sail, mainsail, and jib. Smooth sea, with long easy swell from S.E. Ship rolling easily.

F. H. Tompkins
Ensign U.S.N.

From 8 P.M. to Midnight

Clear. Calm. No current run. Smooth Sea. Plain sail to royals except mainsail, spanker, flying jib and fore topmast staysail. Course N.N.W.

F. J. Tomlin
Ensign U.S.N.

Examined and found to be correct.

Wm. B. H. Mason
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1			Runaway log	Calm	0			30.01	83	82	78	82		b.s	cir cum	4	S.L
2					0			30.01	82	81	74	82		"	"	4	"
3	0	5		N by W	W. by W	0-1		29.99	82	80	74	82		"	"	6	"
4	1	0	80.3	"	W by S	1		29.98	81	80	74	82		"	"	7	"
5	1	0	80.8	"	West	1		29.98	81	79	76	82		"	cum	7	"
6	1	0	81.4	N. by W	"	1		29.99	81	79	76	82		"	"	7	"
7	1	0	81.5	North	"	1		30.02	81	79	74	82		"	"	7	"
8	1	0	82.0	N by E	"	1		30.02	81	80	78	82		"	"	7	"
9	0	5		North	N. W. by W	1		30.00	82	80	74	82		"	cir, cum	7	"
10	0	5		"		1		30.00	82	81	74	82		b.s	"	7	"
11	1	0		"	W. by N	1		30.00	82	81	74	82		"	"	7	"
Noon.	1	2		N by E	"	1-2		29.98	83	82	74	82		"	"	4	"

Course and distance made good since preceding noon by observations, N. by W. N 33 knots. tenths.

Position at Noon: Latitude by D. R. 19 45' 00" N
Longitude by D. R. 148 11' 00" E
Latitude by observations of ⊙ 19 54' 00" N
Longitude by chronometer from Forenoon Observations of ⊙ 148 01' 00" E

Position at 8 a. m. Latitude by DR 19 41' 00" N
Longitude by do 148 11' 00" E

Position at 8 P. M. Latitude by do 20 08' 00" N
Longitude by do 147 55' 00" E

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 12408 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 46 " 876 "

	P. M.														
Lyons N. 1080 Left	1	1	8	82.2	N by E 1/2 E	W. N. W	1-2	29.95	83	82	74	83	b.s	cir cum	6	S.L
	2	1	5	83.2	N by E 3/4 E	"	1-2	29.96	83	82	74	86	"	"	6	"
20° Long E 148°	3	1	5	84.3	N N E 1/4 E	N W by W	1-2	29.96	83	82	74	83	"	"	6	"
	4	1	2	84.6	N N E	"	1	29.98	82	82	74	83	"	"	6	"
	5	1	2		N by E	W. N. W	1	29.96	84	82	74	82	"	"	4	"
	6	0	5		North	Variable	1	29.96	83	82	74	82	b.c.p.	cum	3	"
	7	2	0	85.4	N N E 1/2 E	W. N. W	0-1	29.98	82	81	74	82	b.s	"	4	"
	8	2	0	86.3	N. E.	Variable	1-3	29.98	82	81	74	82	"	"	3	"
	9	1	0	86.9	N. N. W	E. S. E	2	29.98	81	80	76	81	b.c.p.	"	1	"
	10	1	0	87.3	N W by W	N. E by N	1-2	29.98	81	79	74	81	o.c.	cum nim	0	"
	11	2	4	89.4	N W	N. E.	2	29.98	80	79	75	81	b.c.	cir cum etc	4	"
	Mid.	1	9	91.6	N W 1/2 N	"	2	29.99	81	78	74	81	b.s	cir cum	2	"

under the command of Commander T. F. Jewett, U. S. Navy,

Thursday December 1st, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends H. A. M.

Clear & warm. Flat calm first part then light breezes from West. Light airs and clouds coming out from West during watch. Set & furled pt. mainsail, fore topmast stay sail & spanker. At end of watch by the wind heading N by W. Sea smooth. Bright moonlight.

T. D. Galloway
Lieut U. S. N.

From 4 to 8 A. M.

Weather pleasant. Partially cloudy. Light airs from West. Plain sail to royals. By the wind on port tack. Course N. W. W.

Lieut U. S. N.

From 8 A. M. to Meridian

Fair & pleasant with very light rain first hour. Light airs & breezes from West to N. W. at 8 hrs braced around on starboard tack being taken aback. At 8.55 took in royals & pt. at 9.13 clewed up mainsail & at 9.20 braced around on port tack the wind coming out from West. At 9.30 implements cleaned at quarters, afterwards exercised as follows; Engineers and Powder division, Skirmish Drill 1st Div Rifles, 2d Great Guns & Single Sticks. J. T. Figgins C. Top, reported his term of enlistment as being expired. F. Smith O. S. for neglect of Duty & insolence was placed in double irons for ten days during watch below by order of the Comdg Officer. Expended 60 fuls signal halliard stuff to replace halliard log line carried away by the rudder at ship gybeing starboard when taken aback. At end of watch furled pt on port tack under plain sail to topsail Smooth Sea.

W. H. Hoggatt
Ensign U. S. N.

From Meridian to 4 P. M.

Partly clear with cirro cumulus clouds. Bright & warm. Light airs to breeze from W. by N. & W. by S. Smooth sea, with long S. E. swell. Ship working easily. Sails slatting gymnast masts and rigging. At 12 hrs. set royals & furling pts. Fired & fired 33 pt shell. Scrubbed boats to replace of sailing launch. Quarterly Board of Survey condemned, to be thrown overboard, ten (6 lbs) of sausage, received from Langfeldt & Hayes, Yokohama, July 8th 1887 by open Purchase by Fleet Paymaster. Pulled out P. L. reading 8 fr. at end of watch, furled & in port tack, making N. 1 E. course N. W. (W.) under plain sail to royals.

H. C. Rousseau
Ensign U. S. N.

From 4 to 6 P. M.

Partly clear, light showers passing showers last hour. Light airs from W. N. W. first hours & light variable airs last hour. Took in courses & light sails. By order of Comdg Officer placed A. Bergman, 1. Cl., in double irons, during watch below for disobedience of orders.

T. D. Galloway
Ensign U. S. N.

From 6 to 8 P. M.

Cloudy & unsettled. Light variable breezes at 7 hrs, ship to S. W. Took in sail to gear as necessary. At end of watch on starboard tack, pt, ft, t'gall sail forward & spanker.

T. D. Galloway
Lieut U. S. N.

From 8 P. M. to Midnight

First part of watch cloudy & raining with light baffling winds & a rain squall from N. E. clearing latter pt. At end of watch clear & pleasant. Bright moonlight. Light to gentle breeze from N. E. at 9 hrs set mainsail & light sails. Course N. by W. By the wind on port tack at end of watch.

Examined and found to be correct.

A. T. Beaman
Lieut U. S. N.

Thos. D. H. Mahon
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea remaining passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	1	9	93.5	NW ½ N	NE by N	1			29.94	80	79	76	80	bs	cirrocumulus	2	SE
2	2	0	95.0			2			29.96	80	80	76	81		"	2	"
3	2	0	96.8	N NW ½ W	NE	2			29.94	80	80	76	81	b.c.s.	"	3	"
4	2	0	96.6	NNW	E	2			29.93	80	79	77	81	bs		3	"
5	1	6	98.0			2			29.94	80	79	76	81	b.c.q.	cirrocumulus	3	"
6	1	0		NW by N	E by E	1-2			29.95	80	79	77	81	b.c.s.		2	"
7	1	0		N "	E	1-2			29.94	80	79	77	81	"	cirrocumulus	2	"
8	9	5		North	"	1			29.99	79	78	76	81	"	"	1	"
9	Distance	run		West	West	1			30.01	80	78	76	81	b.c.s.	"	3	"
10				"	NE	1			30.01	81	79	77	81	bs	"	4	"
11				"	Variable	1			29.99	81	79	77	81	b.c.s.	"	5	"
Noon.				"	West	1			29.98	82	80	76	81	bs	cumulus	7	"

Course and distance made good since preceding noon by observations, NW ¼ N 24 knots. tenths.

Position at Noon:	Latitude by D. R.	N. 20 ° 24 ' 00 "
	Longitude by D. R.	E. 147 ° 07 ' 00 "
	Latitude by observations of ⊙	N 20 ° 16 ' 00 "
	Longitude by chronometer from Forenoon Observations of ⊙	147 ° 48 ' 00 "
Position at 8 a. m.	Latitude by D. R.	N 20 ° 24 ' 00 "
	Longitude by "	147 ° 55 ' 00 "
Position at 8 P. M.	Latitude by "	N 20 ° 19 ' 00 "
	Longitude by "	147 ° 53 ' 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 3 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 11 50 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 46 " 476 "

P. M.																	
1	0	5		North	West	1			29.95	82	80	74	82	bs	cirrocumulus	4	SE
2	1	0		N by W ½ W	"	1			29.94	82	81	74	82	"	cirrocumulus	4	"
3	0	5		"	"	1			29.95	82	82	74	82	"	"	4	"
4	1	5	98.1			2			29.94	82	81	74	82	b.c.s.	cumulus	2	"
5	3	1	101.2	NNW	SW	2			29.96	80	79	76	82	"	"	2	"
6	Distance run				ENE	0-1			29.96	80	79	74	82	b.c.s.	"	4	"
7						0-1			29.97	80	80	74	82	bs	"	6	"
8	0	5		N by W	"	1			29.98	81	80	74	82	"	"	7	"
9	1	0		NNW	ENE	1			29.97	81	81	74	82	"	cumulus	3	SE
10	1	0		N by W	SSE	1			29.99	80	80	74	82	b.c.s.	"	2	"
11	0	3		NNW	South	1			29.99	80	80	74	82	"	"	6	"
Mid.	0	0		Distance run	Calm	0			29.98	80	80	74	82	bs	"	3	"

under the command of Commander T. F. Jewett, U. S. Navy,

Friday December 2d, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A.M.

Partly clear with light passing showers thin hour. Light airs & brisk from E by N to S.E. at 3. to hauled up weather clews of mainsail & hook in spanker. Ope course N.N.W. under plain sail to Lgt sails except weather clews of mainsail & spanker. Smooth sea with long swell from North.

Ensign U.S.N.

From 4 to 8 A.M.

Cloudy, with frequent light passing squalls with rain after 1st hour. Light airs to brisk varying in directions, after 1st hour from S.W. to S.E. shifting quickly squalls. Smooth sea with long N.W. swell. At end of watch, ship had no steerage way. course N.N.W. Plain sail to Lgt sails, except mainsail not set.

Ensign U.S.N.

From 8 A.M. to Meridian

Fair gradually increasing to clear weather. Light passing rains showers first & third hours. Light airs from West, first & last hours, N.E. second hour & variable airs third hour. Course N.N.W. to Steerage way. At 9.30 mustered & inspected at quarters. Exercised 2d & 3d Divs. Rifles, 1st Div. Cutlasses & Sticks, 4th Div. Pistols & Cutlasses & Broadsides. Smooth sea. Light swell from North.

Ensign U.S.N.

From Meridian to 4 P.M.

Clear & warm. Light rains about horizon. During last hour, light rain squall with increasing breeze from West. Light airs from West. Long swell from N.N.W. Sea smooth. Exercised Marine Guard at 1.55 & dismissed.

Asst. Surg. U.S.N.

From 4 to 6 P.M.

Cloudy with rain during first hour. Gentle breeze from S.W. during first hour, then light airs & calms at 4. 10 set royals, flying jib & foretopsail. Took in royals, furled fore staysail & spanker at 6. Course N.N.W. at end of watch no steerage way.

Asst. Surg. U.S.N.

From 6 to 8 P.M.

Generally clear, pleasant balmy & light airs from S.W. at 7. braced around on starboard tack. No steerage way first hour. Long swell from N.W. Smooth sea.

Ensign U.S.N.

From 8 to 8 P.M.

Generally cloudy with occasional bright moon & starlight. Passing showers 2d & 3d hours. Light airs from S.S.E. to S.S.E. 1st part shifting at 11 to S.W. & then falling calm when hauled up foresail took in Lgt sails, furled fore head sails & counter braced yards, at end of watch, yards counter braced, only Lgt sails set. Course N.N.W. Smooth sea, long easy swell from N.W. Ship rocking about a great deal. & sails flapping heavily.

Ensign U.S.N.

Examined and found to be correct.

Theo. D. M. Mason
Lieut. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea remaining passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	0	3		N.N.W.	S.W.	1			29.98	79	78	76	82	b.c.p.	cir cum	4	2
2	0	2		"		1			29.97	79	78	76	82	b.c.	"	6	"
3	0	6		"	W. by S.W.	1			29.96	79	78	78	82	"	"	8	"
4	1	0		"	"	1			29.96	79	78	78	82	"	"	8	"
5	2	0	101.2	"	"	1			29.96	80	78	76	82	b.c.p.	"	5	"
6	3	0	102.7	"	S.W. by W.	1			29.96	80	79	78	82	b.c.	cir cum	6	"
7	3	2	5.9	"	"	1			29.99	80	79	78	82	"	"	6	"
8	3	1	9.0	"	"	1			30.01	81	79	78	82	"	"	6	"
9	3	2	12.0	"	W. by S.	2-3		½	30.03	81	79	78	81	"	"	4	2
10	2	9	15.1	"	"	2-3		½	30.04	81	80	78	81	"	"	4	"
11	2	2	17.3	"	"	2-3		3/4	30.02	82	80	78	81	"	"	2	"
Noon.	1	1	18.4	N. by W. ½ W.	"	2			30.01	82	81	78	82	"	"	6	"

Course and distance made good since preceding noon by observations, N 32

		knots.	tenths.
Position at Noon:	Latitude by D. R.	N	20	48.0	"
	Longitude by D. R.	E	142	38.0	"
	Latitude by observations of ⊙	N	20	48.0	"
	Longitude by chronometer from Forenoon Observations of ⊙	E	142	48.0	"
Position at 8 a. m.	Latitude by D. R.	N	20	19.0	"
	Longitude by "	E	142	25.0	"
Position at 8 P. M.	Latitude by "	N	21	01.0	"
	Longitude by "	E	141	49.0	"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 359 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 809 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 46 " 76 "

P. M.														
1	3	0	21.9	N. by W.	W. by S.	2			29.96	81	80	78	82	b.s. cum cirrus	2	2
2	0	5	21.2	"	"	1			29.95	81	80	78	82	"	"	2	"
3	0	5		N. by W. ½ W.	"	1			29.95	81	80	78	82	b.c.s.	"	4	"
4			N. Steerage Coal		Calm	0			29.96	82	81	78	82	"	"	2	"
5	1	0		N.N.W. ½ W.	Variable	1-2			29.98	81	80	78	81	b.c.p.	"	4	"
6	3	0	23.6	N. by E.	W.N.W.	3-2		½	29.98	80	79	78	81	b.s.	"	2	"
7	2	1	25.7	N. by E. ½ E.	"	2		½	29.99	80	79	78	81	"	"	3	"
8	2	6	29.3	N. ½ E.	"	3		½	30.01	80	78	78	81	"	"	1	"
9	2	9	32.2	N. by E. ½ E.	W. by N.	3-2			30.01	79	77	76	81	o.c.s.	"	0	"
10	1	0	32.5	North	W. by W.	1			30.01	79	77	76	81	"	"	0	"
11	0	5		N. by W.	"	1-1			29.99	79	78	76	81	b.s.	"	3	"
Mid.	1	0		"	West	1-3			29.97	79	79	77	81	b.c.g.	"	1	"

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday December 22, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends At A.M.

Fair to clear weather, having rain showers first hour. Light airs from S.W. first half & W.S.W. last half. Making course N.N.W.

F. J. Loomis
Ensign U.S.N.

From 4 to 8 A.M.

Clear weather. Gentle increasing breeze from S.W. by W. Cirro-cumulous clouds passing with wind. Small rain clouds about horizon. Sea smooth. Long, occasional heavy rolls from N.N.W. At 5h. set royals & flying jib. At 5, relieved F. Smith C.M. & 4 from confinement, as per order.

Ed. Galloway
Ens. U.S.N.

From 8 A.M. to Meridian

Clear & warm. Light to gentle breeze from W.S.W. Course N.N.W. all plain sail. Winds very light & head of watch.

L. A. Dunlap
Ens. U.S.N.

From Meridian to 4 P.M.

Partly clear with cumulous clouds. Warm. Calms. Light breeze from W. by S. first hour decreasing to light air. Calm last hour. Sea smooth & long swell from N.W. Ship under plain sail to royals. At 3 o.c. took in mainsail. Several rain squalls passed astern. J. Jordan, L.A.-S., received punishment of confinement in double irons for five days during his watch, by order of Deputy Officer for imprudence to his Captain at top.

W. B. Hoggatt
Ensign U.S.N.

From 4 to 6 P.M.

Partly clear with cumulous clouds. Light rain squalls first hour, from all round the horizon, winds in squalls of the force of light airs to breeze, shifting with squalls. At 4h. 0m. took in royals & flying jib to a light squall at 5 o.c., which came out from N.W. gentle breeze, which came by course on port tack & set mainsail, furling flying jib & royals. Ahead of watch veered & shifted by W.N.W. & fell to light breeze. Under plain sail to light sails, fresh & by on port tack, making N. by E., course N. N.W. ½ W.

H. C. Towles
Ensign U.S.N.

From 6 to 8 P.M.

Cloudy with rain squalls around horizon. Light increasing to gentle breeze from W.N.W. Under sail. Plain sail to light sails. Close hauled on port tack, making good N. by E. ¼ E. and N. ¾ E. Lat. 29.3.

F. J. Loomis
Ensign U.S.N.

From 8 P.M. to Midnight

Generally cloudy. Heavy rain first part. Light breeze from W.S.W. & calms until regular midnight, then light squall from West & smooth. Lightning to N.E. first hour. At 12, relieved A. Bergman, 1 C.M. & F. Smith C.M. & 4 as per order.

Ed. Galloway
Ens. U.S.N.

Examined and found to be correct.

Theo. D. M. Mason
Lieut. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	1/2	362	N 3/4 E	W. by N	3		3/4	29.94	78	81	77	81	b. c. fr.	cum. & cirr.	2	S. L.
2	2	0	38.2	N 1/2 W	West	2		3/4	29.94	78	81	76	81	b. c.	"	3	"
3	1	2	39.4	"	"	1		3/4	29.94	78	81	76	81	"	"	1	"
4	1	5	40.9	"	"	2		3/4	29.94	78	81	76	81	"	"	2	"
5	4	3	45.2	N by W	"	3		1/2	29.98	78	81	76	81	o. c. fr.	cum.	0	"
6	3	1	48.3	N 1/2 E	W. N. W.	3		1/2	30.01	78	81	76	81	"	"	0	"
7	1	5	49.3	North	W by N	2		1/2	30.02	78	81	76	81	"	"	0	"
8	0	5	49.6	West	North	1-2			30.06	78	81	76	81	o. c. fr.	"	0	"
9			Mirage	West	Variable	1			30.04	78	81	76	80	b. c. fr.	cirr. & cum.	2	"
10	1	0		N E	N W	1-2			30.06	78	81	76	80	b. c.	"	2	"
11	1	5		N E 1/2 E	N W by N	1-2		1	30.02	79	77	76	80	"	"	2	"
Noon.	2	5	49.9	N E by E	"	2		1	30.03	78	76	76	80	b. c. fr.	"	2	"

Course and distance made good since preceding noon by observations, N N E 41 knots tenths.

Position at Noon:
- Latitude by D. R. — N 21 ° 26' 00"
- Longitude by D. R. — E 148 ° 58' 00"
- Latitude by observations of ⊙ — N 21 ° 25' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ — E 148 ° 48' 00"

Position at 8 a. m.
- Latitude by D R — N 21 ° 23' 00"
- Longitude by Dg — E 148 ° 52' 00"

Position at 8 P. M.
- Latitude by Dg — N 21 ° 34' 00"
- Longitude by Dg — E 148 ° 45' 00"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 300 "

Coal consumed during the preceding 24 hours, tons 720 lbs.

Coal remaining on hand at Noon, 45 " 1596 "

P. M.										
1	2	0	51.1	N N E.	W. N. W.	2	3/4	30.01	78	76	75	80	b. c. fr. cum. & cirr.	3	S. L.
2	1	5	51.9			2	3/4	30.00	78	76	75	80	"	3	"
3	1	5	52.2	N E by N	N W by W	2	3/4	30.00	79	77	76	81	b. c.	4	"
4	2	0	54.1	N E by E	N W.	2	3/4	30.00	79	77	76	81	"	5	"
5	3	2	57.8		N N W	1-3	3/4	30.00	78	77	76	81	b. c. fr.	4	"
6	1	6	59.4	N E.	N W	0-3	2	30.00	79	76	76	81	"	1	"
7	2	0	60.8	E N E	N N W	1-2	1/2	30.00	78	77	77	81	"	2	"
8	2	0	63.0	N W by W	N N E	1-3	3/4	30.04	79	78	76	81	b. c.	3	"
9	3	5	66.5	N W 1/2 W	N E by N	3	3/4	30.01	80	79	77	80	"	4	"
10	4	3	70.8	N W 1/2 W	"	3	1/2	30.04	79	77	77	80	o. c. fr.	0	"
11	3	9	74.7	"	"	3	1/2	30.04	79	78	76	80	b. c.	2	"
Mid.	3	1	77.8	N W. 1/4 W	"	3	1/2	30.04	79	79	76	80	"	4	"

under the command of Commander T. F. Jewett, U. S. Navy,
Sunday December 4th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A. M.

Cloudy with heavy rain first hour, light drizzling rain last. Light airs to gentle breeze from N.W. by N. By the wind on port tack. Course N. by W. Rain sail to topsails.

Lieut.

From 4 to 8 A. M.

Overcast and rainy. Gentle to light baffling airs and breeze from W. by N. to North. At 6:10 set royals and fusing pt. At 6:50 took in royals, fusing pt and mainsail and braced around on starboard tack. At 7:40 rose ship. At end of watch fired and hove port tacks under plain sail to light sails except mainsail. Smooth sea with long ocean swell from N. W.

Ensign U.S.N.

From 8 A. M. to Meridian

Generally cloudy with continual rain 1st hour, drizzle 2d and 3d hour, light raining showers last hour. Clouds cir-cumstratus. Light variable airs 1st hour, coming out N.W. 2d hour in light airs to breeze, shifting to N.W. by N. latter part. Came by wind on port tack at 9:10 and so stood to end of watch. Course N. by W. & N. W. At 9:20 called all hands to muster and read Articles of War. At 10:05 took in fusing mainsail. At 11:20 set mainsail reefed. At 11:30 shaded fires in boilers 1 and 3 for distilling. At end of watch under plain sail to light sails except mainsail by the wind making N. E. by E. Put over P.L. reading 9.6. Smooth sea, long N.W. ocean swell. Ship rolling easily.

Ensign U.S.N.

From Meridian to 4 P.M.

Partly clear. Warm. Light breeze from N.N.W. to N.W. Light drizzling showers first hour. By the wind on port tack under plain sail to light sails except mainsail

Ensign U.S.N.

From 4 to 6 P.M.

Cloudy with light breeze from N.N.W. first hour. Observed very brilliant rainbow. Cloudy with heavy rain second hour, wind failing very light, shifting to N.W. Smooth sea with long easy ocean swell from N.W. Condemned by Quarterly Board, 1 hammock, received from U.S. Flagship "Brooklyn" Sept 18th 1887, No. marks, weight 3 lbs. Took in main topsail and furled

Lieut.

From 6 to 8 P.M.

Cloudy and raining first hour with calms then light breeze from N.N.W. at 6:50 wind hauled to N. E. by N. Moor ship. At end of watch generally clear with fresh breeze from N.E. by N. By the wind on starboard tack. Course N.N.W. & W. Strictly. Plain sail to light sails with main topsail instead of mainsail.

Lieut.

From 8 P.M. to Midnight

Partly clear and clear with moderate rain 2 hour. Fresh breeze from N.E. by N. Full and by on starboard tack under plain sail to light sails except mainsail with main topsail. Smooth sea.

Ensign U.S.N.

Examined and found to be correct.

Theo. D. M. Thomas
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	2	87.8	N. W ½ W.	N. N. E.	3		½	30.04	80	79	76	80	b.c.	cir. cumu.	4	
2	3	1	84.6			3		½	30.04	80	79	75	80	"	"	5	"
3	3	3	89.4	N. W.	N. E. by N.	3		½	30.03	80	79	75	80	"	cumu.	2	"
4	3	2	91.1	N. W ½ N.		3		½	30.03	80	79	75	80	"	"	2	"
5	3	0	94.1	N. N. W ¾ W.	N. E.	2		½	30.03	79	79	75	80	"	"	2	"
6	3	0	97.6	"	"	2		½	30.05	79	79	75	80	b.c.	"	0	"
7	3	6	101.2	"	"	3		½	30.04	79	78	74	80	b.c.	cir. cumu.	3	"
8	3	3	4.5	"	"	3		½	30.04	79	78	74	81	"	"	3	"
9	4	2	8.7	N. N. W ½ W.	E. N. E.	3		½	30.09	80	78	74	80	"	Sts	8	"
10	5	0	13.7	"	E. ast	3		½	30.08	80	79	74	80	"	"	8	"
11	4	2	18.4	"	"	2-3		¼	30.07	80	79	74	80	"	"	9	"
Noon.	3	9	22.3	"	"	2-3			30.08	80	79	76	80	"	"	9	"

Course and distance made good since preceding noon by observations, N. N. W ½ W 60 knots tenths.

Position at Noon:
- Latitude by D. R. — 22 ° 17 ' 00 "
- Longitude by D. R. — 142 ° 46 ' 00 "
- Latitude by observations of ⊙ — 22 ° 15 ' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — 142 ° 48 ' 00 "

Position at 8 a. m.
- Latitude by D R — 22 ° 02 ' 00 "
- Longitude by 00 — 142 ° 55 ' 00 "

Position at 8 P. M.
- Latitude by 00 — 22 ° 41 ' 00 "
- Longitude by 00 — 142 ° 30 ' 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 1800 "

Water remaining on hand fit for use at Noon, 9000 "

Coal consumed during the preceding 24 hours, 1 tons 1760 lbs.

Coal remaining on hand at Noon, 43 " 2076 "

P. M.																	
1	2	6	24.9	N. N. W ½ W.	E. N. E.	2		¼	30.05	81	79	74	81	b.c.	cir. cumu.	4	
2	2	8	27.7	"	N. E. by E.	2		½	30.05	81	79	75	81	"	cumu.	3	"
3	3	4	31.1	"	"	2-3		½	30.04	81	79	75	80	"	"	2	"
4	3	8	34.9	"	"	2-3		½	30.05	81	79	75	80	b.c.	"	0	"
5	4	6	39.5	"	E. N. E.	3		½	30.04	80	78	75	80	"	"	0	"
6	4	9	44.2	N. N. W ¾ W.	N. E. by E.	3		½	30.08	81	79	75	80	"	"	0	"
7	4	8	49.0	N. W. by N.	N. E. by N.	3		½	30.08	82	78	75	80	b.c.	"	3	"
8	4	1	53.1	N. N. W ½ W.	N. E.	3		½	30.10	82	79	76	80	"	"	1	"
9	4	3	57.4	"	"	3		½	30.12	82	79	75	80	"	cumu.	2	"
10	4	6	62.0	"	"	3		½	30.12	82	79	75	80	"	cumu.	2	"
11	4	8	66.8	"	"	3		½	30.13	82	79	75	80	"	"	2	"
Mid.	5	0	71.8	N. N. W ¾ W.	N. E. by N.	3		½	30.14	80	79	75	80	"	cumu.	5	"

under the command of Commander T. F. Jewell, U. S. Navy,

Monday December 5th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Partly clear with bright moonlight, obscured occasionally by fair cumulus clouds passing over from N.E. Gentle breeze from N.N.E. 1st part hauling latter part to N.E. by N. Smooth sea, with long swell from N.N.W. Ship pitching easily. At end of watch full and by, on starboard tack, making good N.W. by N. Course N.N.W. Under plain sail to light sails, except mainsail. Distilling.

T. C. Downes
Ensign U.S.N.

From 4 to 8 A.M.

Cloudy weather. Cool. Light to gentle breeze from N.E. Smooth sea. Plain sail to light sails except mainsail. Filled and by on starboard tack making good N.N.W. 3/4 W. Course N.N.W. Distilling. Smooth sea.

T. Downes
Ensign U.S.N.

From 8 A.M. to Meridian.

Clear and pleasant. Gentle breeze from East and S.E. Smooth sea, long swell from N.N.W. at 9.30 wind to General Quarters. Distilling.

C. C. Galloway
Lieut U.S.N.

From Meridian to 4 P.M.

Primarily cloudy. Light to gentle breeze from N. by E. Ship on course N.N.W. 1/2 W. Filled and by on starboard tack under plain sail to royals except mainsail. Cleaned forward bilges. Overhauled sounding apparatus. Arrived at watch P.L. read 34.9 Distilling.

L. A. Dickson
Lieut U.S.N.

From 4 to 6 P.M.

Overcast with gentle breeze from E.N.E. and N.E. by E. At 5. muster crew at quarters. Plain sail to royals except mainsail, on starboard tack. Sea smooth with long swell from N.W. Distilling

E. M. Hoyt
Ensign U.S.N.

From 6 to 8 P.M.

Generally cloudy. Some cumulus clouds passing over from N. Gentle breeze from N.E. by N. 1st hour, shifting to N.E. at 1/2 8. Filled and by 1st watch, making N.W. by N. Ship came up to course at 1/2 8. Smooth sea, with long easy swell from N.N.W. At 1/2 8. took in royals and piping down at end of watch, on course N.N.W. 1/2 W. under plain sail to light sails. Distilling.

T. C. Downes
Ensign U.S.N.

From 8 P.M. to Midnight

Partly cloudy, cumulus clouds passing over from N.E. Gentle breeze from N.E. until last hour when N.E. by N. Smooth sea, long swell from N.W. At 10.30 shipped distilling. Hauled fires and lowered smoke-pipe. At 11.30 set mainsail. Plain sail to light sails heading course N.N.W. 1/2 W. until last half hour when put off to N.W. by N. P.L. 11.8.

T. F. Jewell
Ensign U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	2	78.0	N. W ½ N.	N. E	3-4		3/4	30.15	74	74	72	74	b.c.	cirrus cumulus	3	
2	6	6	84.6	N. W.	"	4		3/4	30.13	74	74	68	74	"	"	4	"
3	6	4	90.0	N. W ¼ W.	N. E by N.	3-4		½	30.12	74	74	68	73	74	"	4	"
4	6	5	96.5	N. W ½ W.	"	4		½	30.12	74	74	68	73	74	cumulus	1	"
5	6	9	102.4	N. W by W.	"	4-5		3/4	30.13	74	68	66	73	74	"	0	"
6	6	0	108.4	N. W 3/4 W.	"	4-5		3/4	30.14	74	74	66	72	74	b.c.	"	1	"
7	6	2	116.6	N. W. by W.	N. N. E.	4		3/4	30.15	74	74	66	72	74	"	"	1	"
8	5	8	122.4	"	"	4		3/4	30.12	74	74	65	72	74	"	"	1	"
9	5	6	128.0	N. W by W ½ W.	N. by E.	4		3/4	30.21	74	76	75	72	74	b.c.s.	"	1	"
10	6	2	134.2	N. W. by W 3/4 W.	"	4		½	30.23	74	76	76	72	80	b.c.	"	1	"
11	6	3	140.5	N. W ½ W.	N. N. E.	4		½	30.21	74	74	76	72	80	"	"	2	"
Noon.	8	1	148.6	"	"	4		½	30.20	74	74	76	73	80	"	"	3	"

Course and distance made good since preceding noon by observations, N. W by W 119 knots tenths.

Position at Noon:
- Latitude by D. R. — N 23 ° 35 ' 00 "
- Longitude by D. R. — E 146 ° 02 ' 00 "
- Latitude by observations of ⊙ — N 23 ° 18 ' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 146 ° 59 ' 00 "

Position at 8 a. m.
- Latitude by D R — N 23 ° 24 ' 00 "
- Longitude by do — E 146 ° 31 ' 00 "

Position at 8 P. M.
- Latitude by do — N 23 ° 05 ' 00 "
- Longitude by do — E 145 ° 28 ' 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 950 "

Water remaining on hand fit for use at Noon, 26500 "

Coal consumed during the preceding 24 hours, tons 2160 lbs.

Coal remaining on hand at Noon, 42 " 2156 "

P. M.																	
1	6	1	54.4	N. W ¼ N.	N. E by N.	4		3/4	30.21	74	74	76	73	80	b.c.	cirrus	4	
2	6	1	60.8	N. W by N.	"	4		3/4	30.21	74	74	74	72	80	"	"	2	"
3	6	4	67.2	N. N. W ½ W.	N. E.	4		3/4	30.16	74	74	76	72	80	"	"	2	"
4	6	2	73.4	N. N. W ½ W.	"	4		3/4	30.15	74	74	76	72	80	"	"	2	"
5	6	0	79.4	N. N. W.	N. E by E.	4		1	30.16	74	74	74	72	80	"	"	2	"
6	6	2	85.6	"	"	4		1	30.18	74	74	74	72	80	"	cumulus	1	"
7	6	0	91.6	"	E. by N.	5		½	30.18	74	74	76	73	79	b.c.q.s.	"	1	"
8	6	8	98.4	"	"	5		½	30.19	74	74	76	73	79	b.c.	"	5	"
9	6	3	104.7	"	E. N. E.	4-5		½	30.20	74	74	76	73	79	"	"	4	"
10	6	9	11.6	"	"	5		½	30.20	74	76	75	72	79	"	"	2	"
11	6	3	17.9	"	"	4-5		½	30.21	74	76	75	72	79	"	"	3	"
Mid.	6	2	24.1	"	"	4		½	30.21	74	76	75	72	79	"	"	2	"

under the command of Commander T. F. Jewett, U. S. Navy,

Tuesday December 6th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends Calm.

From 4 to 8 A.M.

Fresh and pleasant. Moderate to stiff breeze from N.E. by N. Ends cloudy passing over. Lower from N.E. upper from S.W. Moonlight. Ship pitching easily into seas from N.N.W.

E. D. Galloway Lieut

From 4 to 8 A.M.

Cool and cloudy. Moderate to stiff breeze from N.N.E. & N.E. by N. Plain sail to topgallt sails. By the wind on starboard tack, course N.N.W.

A. F. Dewey Lieut

From 8 A.M. to Meridian

Cloudy and pleasant. Moderate breeze from N. by E. & N.N.E. At 9:30 inspected crew at quarters afterwards exercised 1st, 2d & 3d Powder Divisions at Stations and Oral Instruction, Engineer's Division with Revolvers. At 11:30 set clock back 17 minutes. Fresh and by on starboard tack under plain sail to topgallt sails. Moderate sea from N.N.E.

E. M. Haggett Ensign

From Meridian to 4 P.M.

Generally cloudy, pleasant weather. Clouds cumulus. Moderate breeze from N.E. by N. 1st part, N.E. latter part. Moderate sea and swell from N.N.E. Ship steady. Rove off mess, spanker head outhaul. Scrubbed inside copper of sailing launch. Spirit Marine Guard at Bayonet Exercise and Signal class at watch below. At end of watch on course N.N.W. under plain sail to topgallt sails. Ship full and by till 8 etc. when came up to course N.N.W. but fell off again, occasionally making N.N.W.1/4 W. last hour.

E. H. Tompkins Ensign

From 4 to 6 P.M.

Cloudy and threatening weather. Moderate breeze from N.E. by E. Moderate sea and swell from N.N.E. Plain sail to topgallt sails heading course N.N.W. P.S. 6.

H. Broomiar Assistant Surgeon U.S.N.

From 6 to 8 P.M.

Generally cloudy. Stiff breeze with strong squalls from E. by N. Light passing rains first hour. Ship pitching deeply at times into seas from N.N.W. At 6.15 took in topgallt sails to a reef. At 6.30 set topgallt sails.

E. D. Galloway Lieut

From 8 P.M. to Midnight

Generally cloudy. At intervals clear. Moderate to stiff breeze from N.E. Moderate sea from N.N.W. Ship pitching heavily at times. Plain sail to topgallt sails. Course N.N.W.

A. F. Dewey Lieut

Examined and found to be correct.

Theo. B. M. Mason

Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	1	36.2	N. N. W.	E. by N.	4			30.19	74	76	72	79	f. c.	cum. str.	2	
2	5	9	36.2	"	"	4			30.18	74	76	72	79	"	"	2	"
3	5	4	41.6	"	"	4			30.14	74	76	72	79	"	cum.	2	"
4	4	4	46.0	"	"	3			30.15	74	76	72	80	b. c.	"	0	"
5	5	5	51.5	"	"	3-4			30.12	74	76	72	80	f. c.	cir. cum. str.	2	"
6	5	2	56.7	"	"	3-4			30.12	74	76	72	80	"	"	4	"
7	6	8	63.5	N. N. W.	E. N. E.	4			30.12	74	76	72	80	"	cir. cum.	5	"
8	4	0	67.5	"	"	4			30.18	74	76	72	80	"	"	5	"
9	6	1	73.6	"	"	4		1/4	30.19	78	76	74	79	"	"	3	"
10	6	4	83.3	"	"	4		1/4	30.19	78	76	73	79	"	"	2	"
11	5	9	89.2	N. by W. 1/2 W.	E. by N.	4		1/4	30.14	78	77	73	78	"	"	2	"
Noon.	6	0	95.2	"	East	4		1/4	30.14	78	77	73	78	"	"	2	"

Spoke No. 1049 Lat. N. 24°40 Long. E. 140° Spoke No. 1055 Lat. N. 25° Long. E. 144°03'

Course and distance made good since preceding noon by observations, N. N. W. 5/8 W. 145 knots. tenths.

Position at Noon:
- Latitude by D. R. — N. 25 ° 35' 00"
- Longitude by D. R. — E. 144 ° 44' 00"
- Latitude by observations of ⊙ — N. 25 ° 21' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ — E. 144 ° 47' 00"

Position at 8 a. m.
- Latitude by D R — N. 25 ° 05' 00"
- Longitude by do — E. 144 ° 27' 00"

Position at 8 P. M.
- Latitude by do — N. 26 ° 03' 00"
- Longitude by do — E. 144 ° 34' 00"

Current during the time, knots tenths per hour, setting to the ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 358 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 23 tons "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 42 " 1756 "

P. M.																	
1	4	0	99.2	N. W. by W.	East	3-4			30.12	74	76	74	73	b. c.	cum. str.	3	
2	5	3	100.5	N. N. W.	E. by N.	3			30.09	76	76	74	76	"	cir. cum.	2	"
3	5	0	5.5	"	"	3			30.08	76	76	74	76	"	"	3	"
4	5	2	10.7	"	"	3			30.08	76	76	74	76	b. c.	cum.	4	"
5	5	4	16.4	"	E. by S.	3-4			30.08	76	76	74	76	b. c.	cir. cum. str.	4	"
6	6	3	22.1	"	"	4			30.08	76	76	74	76	"	"	4	"
7	6	3	28.4	"	East	4			30.08	76	76	74	76	"	cum. str.	8	"
8	6	2	34.4	"	E. by S.	4			30.08	76	76	74	76	"	"	4	"
9	6	1	40.0	"	East	3			30.09	76	76	74	76	"	cum. cirr.	2	"
10	6	3	46.1	"	E. by S.	4			30.08	76	76	74	76	b. c.	"	0	"
11	6	4	52.2	"	E. S. E.	4			30.06	76	76	74	76	"	cirr.	0	"
Mid.	4	4	58.6	"	"	4			30.03	76	76	74	76	"	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,

Wednesday December 7th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Variest A. M.

Generally cloudy. Moderate to gentle breeze from E by N. On course N by W. Under plain sail to topsl sails. Moderate sea.

E. W. Bagley
Ensign U. S. N.

From 4 to 8 A. M.

Partly clear with cir cumm & cumm clouds crossing from N W above, lower clouds from E by E. Gentle to moderate breeze from E by N. 1st part. Moderate breeze from N E. afterwards. Moderate sea from N E with moderate short swell from North to which ship pitches considerably. On course N by W & W. till 6 o'c, when wears off to N N W. At end of watch, on course N N W. At 5 hrs, set royals & furling jib. Under plain to royals.

S. C. Rowe
Ensign U. S. N.

From 8 A. M. to Meridian

Generally cloudy with cir cumm & cumm clouds. Moderate breeze from E & E gradually hauling to East. Smooth sea, light swell from North. Plain sail to royals by the wind making N N W. first half & N by W & W. last half. At 9 commenced taking and inspected at quarters & exercised 1st, 2d & 3d Divisions at Great Guns, Hand & Pistol & Skirmish Drill.

E. Ensign U. S. N.

From Meridian to 4 P. M.

Generally clear & pleasant. Light passing showers during last hour. Gentle breeze from E by N. At 12 hrs changed course to N N W. Exercised Marine Guard as Skirmishers. Exercised Signal Men. Sea smooth. Gentle swell.

D. Galloway
Ensign U. S. N.

From 4 to 6 P. M.

Clear & pleasant. Gentle to moderate breeze from E by S, pushening slightly towards end of watch. Moderate swell from N N E, at 5 wore and at quarters. Plain sail. Course N N W.

L. A. Frankley
Ensign U. S. N.

From 6 to 8 P. M.

Clear & pleasant. Bright starlight. Moderate breeze from East & E by S. Moderate swell from N N E. On course N N W, under plain sail to royals.

E. W. Bagley
Ensign U. S. N.

From 8 P. M. to Midnight

Cloudy with occasional rain after 1st hour. Clouds cumm & cumm raining part first & E gentle breeze from East 1st hour coming out in moderate breeze from E by S, 2d hour & shifting at 10 o'c to S S E. Moderate sea from East with moderate easy swell from North. Ship easy. At end of watch in course N N W, under plain sails to royals. Changed course to N N W & W at 12 o'c.

H. C. Poundstone
Ensign U. S. N.

Examined and found to be correct.

Theo. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

at Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	0	75.1	N N W 1/4 W	E by E	4			30.00	74	73	72	70	o c	cirrus	0	N
2	8	2	83.3			6			29.99	73	72	72	70	"	"	0	"
3	4	4	87.4	West	E "ly	4		1	29.99	72	69	68	68	o c q	"	0	"
4	2	8	91.8	N N W 1/4 W	E N E	5		4	29.98	70	68	67	67	o c q	cirrus	0	"
5	2	4	96.5	N W by N	N E	4-5		1	30.00	70	69	67	67	o c	cirrus	0	"
6	5	0	99.5	N W 1/4 N		3-5		1/2	30.02	73	69	68	67	"	"	0	"
7	4	4	103.9	N W by N	N E "ly by E	4-6		3/4	30.04	73	68	68	67	"	"	0	"
8	3	4	107.3	N W	N E	4-5		4	30.03	72	70	67	67	o c q	"	0	"
9	0	5	107.5	W N W	N E by N	4-6		6	30.06	71	68	67	67	b c q	cirrus	1	"
10	0	5			"	3-5		6	30.08	72	70	66	67	b c q	"	1	"
11	1	9	9.4	N W "ly W	"	3		1	30.08	72	70	66	67	b c	"	1	"
Noon.	2	6	12.0	N W 1/2 W	"	3		1	30.07	72	70	67	67	"	"	1	"

Course and distance made good since preceding noon by observations, N W by N 111 knots tenths.

Position at Noon:	Latitude by D. R.	N	26 53.0 "
	Longitude by D. R.	E	143 36.0 "
	Latitude by observations of ⊙	N	26 51.0 "
	Longitude by chronometer from Forenoon Observations of ⊙	E	143 32.0 "
Position at 8 a. m.	Latitude by D R	N	26 05.0 "
	Longitude by	E	143 04.0 "
Position at 8 P. M.	Latitude by	N	27 18.0 "
	Longitude by	E	142 04.0 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 42 " 1356 "

P. M.																	
1	4	3	16.3	N W by W 1/2 W	N by E	3		1/2	30.06	73	71	66	71	b c	cumulus	1	N
2	4	8	21.9	W N W	"	3		1/2	30.06	73	71	66	71	"	"	2	"
3	4	6	26.5	N W by W 1/2 W	"	3-5		1/2	30.06	73	71	66	71	b c q	"	2	"
4	5	9	31.6	N W 3/4 W	N N E	4		1/2	30.04	73	71	66	71	b c	"	2	"
5	5	0	36.6	N W 1/2 W	"	3-4		1/2	30.08	73	71	66	71	"	"	3	"
6	4	9	41.5	N W by W	"	3-4		1/2	30.01	73	71	66	71	"	"	1	"
7	5	1	46.6	N W 1/2 W	N E by N	4		1/2	30.11	73	72	66	71	"	cumulus	5	"
8	3	9	50.5	N W 1/2 N	"	3		1/2	30.14	73	72	66	71	"	"	7	"
9	4	4	54.9	N W	N E	2-3		1/2	30.14	72	71	66	71	"	"	8	"
10	4	8	60.0	N W 1/2 N	N E	2-3		1/2	30.15	72	71	66	71	"	"	8	"
11	3	6	63.6	"	"	2-3		1/2	30.14	72	71	66	71	"	"	8	"
Mid.	3	4	67.0	N W	"	1-2		1/2	30.14	72	71	66	71	"	"	8	"

under the command of Commander F. F. Jewett, U. S. Navy,
Thursday December 8th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends Mid. to 4 A.M.

Overcast cloudy & rainy. Moderate increasing to fresh breeze from E. by S. first two hours gradually increasing & hauling to very fresh breeze from East & then moderating to a stiff breeze from E.N.E. at 2. took in light sails, ran off, took in courses & close reefed topsails. At end of watch, by the wind with double reefed main topsail, main trysail, fore staysail and fore topsail close reefed.

F. F. Jewett
Ensign U.S.N.

From 4 to 8 A.M.

Overcast with heavy rain first part. Moderate to stiff breeze from N.E. by E. Sea smooth. Latter part. Wind increasing to very fresh breeze from N.E. Passing hard rain showers. Sea rapidly increasing. Double reefed topsails. Set courses, spanker & jib. At 5h shook reefs out of main topsails. At 6h30 fresh two reefs in main topsail. At 7h45 took in jib, staysail, courses & fore topsail & lay to under double reefed main topsail & spanker. Ship heading N.W. Barometer rising.

E. H. Galloway
Lieut U.S.N.

From 8 A.M. to Meridian

Overcast & cloudy with rain during part of first hour & light drizzling rain at intervals during watch. Moderate to stiff breeze from N. by E. & N. during first half of watch with moderate sea from same direction. Wind & sea back to E.N.E. moderating causing ship towards end of watch. At 8 Hy set double reefed topsails & set fore staysail heading to meet spanker and double reefed main topsail first half of watch. At 10. set courses & single reefed topsails Jib & f. & staysail. At 10.45 shook reefs out of topsails. Crossed topgallant yards & set topgallant sails ahead of watch plain sail to topgallant sails by the wind on starboard tack.

C. F. Pilsbury
Lieut U.S.N.

From Meridian to 4 P.M.

Cloudy & squally. Gentle breeze to stiff squalls from N. by E. & N.N.E. Tacked & lying on starboard tack under plain sail to topgallant sails. Moderate sea from N.N.E.

E. M. Haggard
Ensign U.S.N.

From 4 to 8 P.M.

Cloudy & pleasant. Clouds cumulus. Gentle to moderate breeze from N.N.E. Wind at times coming in from N.E. at 5h, remained at quarters. At end of watch under plain sail to topgallant sails, tacked & lying on starboard tack, making N. by W. course N.N.W.

H. H. Longstaff
Ensign U.S.N.

From 8 to 8 P.M.

Clear & bright starlight overhead, cloudy around horizon. Moderate decreasing to gentle breeze from N. by E. & N. Smooth sea. Plain sail to topgallant sails making good N.W. by N. & N.W. by N. & N. P.L. 5.0.

F. F. Jewett
Ensign U.S.N.

From 8 P.M. to Midnight

Clear & mild. Bright starlight. Gentle to light breeze from N.E. & E. by N. Sea smooth. At 9 sighted Beacon Group, Bearing [illegible] bearing about West

E. H. Galloway
Lieut U.S.N.

Examined and found to be correct.

Theo. B. Mc Lean
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	4	70.4	N. W. 1/4 W.	N. E. by N.	2-3			30.13	62	62	64	64	b. c.	cum. Nimbi	4	
2	2	1	72.1	"	"	1-2			30.12	62	62	64	64	"	"	4	"
3	0	9	74.0	"	"	1-2			30.11	62	61	64	64	"	"	4	"
4	1	3	75.3	"	"	1-2			30.11	62	61	64	64	"	"	3	"
5	1	2	76.5	W. by N.	N. E.	2			30.10	62	61	64	64	"	"	6	"
6	1	4	77.9	"	N. E. by E.	2			30.12	62	62	64	64	"	"	4	"
7	5	6	85.5	W. by N.	N. N. E.	2			30.11	62	61	66	64	"	"	3	"
8	2	4	93.9	N. W. by W.	N. N. W.	2			30.16	61	60	66	64	"	Cir.	2	"
9	1	5	95.2	N. by W. 1/2 W.	N. by E.	2			30.19	61	60	65	64	"	cir. cum.	3	"
10	4	9	109.6	"	"	1-2			30.19	62	61	66	64	"	"	5	"
11	4	8	114	"	N. N. E.	2			30.19	63	61	66	63	"	"	6	"
Noon.	9	6	124.0	"	N. by W.	2			30.16	62	62	66	63	"	Cumuli	4	"

Course and distance made good since preceding noon by observations, N. N. W. 1/4 W. 92 knots tenths.

Position at Noon:
- Latitude by D. R. — N 24° 59' 00" "
- Longitude by D. R. — E 142° 02' 00" "
- Latitude by observations of ⊙ — N 24° 28' 00" "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 141° 49' 00" "

Position at 8 a. m.
- Latitude by D R — N 26° 55' 00" "
- Longitude by — E 142° 05' 00" "

Position at 8 P. M.
- Latitude by — N 28° 36' 00" "
- Longitude by — E 141° 31' 00" "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 3 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 12 "

Coal consumed during the preceding 24 hours, 3 tons 540 lbs.

Coal remaining on hand at Noon, 39 " 816 "

P. M.																	
1	2	4	34.4	N. by W. 1/2 W.	N. W.	2			30.15	63	64	65	63	b. c.	cirrocum.	8	Sh.
2	2	5	42.2	"	"	2			30.15	63	64	65	63	"	"	2	"
3	2	2	44.4	"	"	2			30.18	63	64	64	63	"	"	2	"
4	2	4	46.3	"	"	2			30.15	63	62	63	63	"	"	2	"
5	2	4	48.8	N. by W.	"	2			30.16	62	62	64	63	"	"	8	"
6	2	4	52.4	"	N. N. W.	2			30.16	62	61	64	63	"	cumuli	9	"
7	2	2	80.4	"	"	1-2			30.18	62	61	69	63	b. cir.	cumuli	10	"
8	2	4	88.1	"	"	1-2			30.19	62	61	69	63	"	"	10	"
9	4	5	96.6	"	N. W. by N.	1-2			30.20	62	60	69	63	b.	"	10	Sh.
10	4	6	103.2	"	"	1-2			30.20	62	60	69	63	"	"	10	"
11	2	4	10.6	"	"	1-2			30.19	69	68	63	62	"	"	10	"
Mid.	2	3	14.9	"	N. W.	1-2			30.19	69	68	62	60	"	"	10	"

under the command of Commander T. F. Jewett, U. S. Navy,

Friday December 9th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ended A.M.

Weather pleasant. Partially cloudy. Little breeze from N. by E. at beginning of watch. Light airs from N. by E. at end. At 1. changed course to S.W. by W. took in mainsail and spanker. At 3. hauled smoke pipe. Started fires in four boilers. Beechey Isd (Bonin Islands) in sight during watch; Southern end bearing W. by N. at end of watch.

C. A. Gadsden
Lieut U.S.N.

From 4 to 8 A.M.

Fair and pleasant. Light breeze from N. by E. to N. N. W. At 6.10 took in and furled square sail and started ahead under steam on 4 boilers. At 6.30 set mainsail and spanker. At 7.20 took in port and aft sail. Standing between Port and Hillsborough Islands, the Entry Officer at the conn. At 8. Eastern End Port Id bore (pc) N. by E. 1/2 E. Distant 2 miles, Joan Isd N. by E. Ships Head N.W. by N.

W. H. Wright
Ensign U.S.N.

From 8. A.M. to Meridian

Partly cloudy, with cirri, cumulus and cumulo-stratus clouds. Bright and pleasant weather. Light airs to breeze from N.N.E. to N. by W. Smooth sea, with long easy swell from S.E. At 8.34 ambient mainsail and showed it below. At 8.33. Iguana Rock at mouth of Lloyd Harbor bore (pc) E. by N. 1/2 N. distant 4 miles. Sent Boone topgallant yard and sanded and oiled spars. Between 8 and 9 pc, steaming thro passage between Port and Hillsborough Isds Bonin Group afterwards steaming along to W. of Bonin Islands. At end of watch land in sight from Stafford bow to right aft. Under steam alone. At 8. changed course to N. by W. 1/2 W. D.R. 95.2. At 8.45 to end of watch. At end of watch South end of Kater Isd bore E. 1/4 N. and North end of Buckle Group S. 3/4 E. Clock fast 2 minutes between 11 and

W. L. Hogan Asst Surgeon
Ensign U.S.N.

From Meridian to 4 P.M.

Clear and cool. Light breeze from N.W. Smooth sea. Land on port beam and quarter during watch. Steaming alone. Overhauled chest to port boom chain. P.R. 54.3.

J. H. Coontz
Ensign U.S.N.

From 4 to 6 P.M.

Clear and cool. Light airs from N.N.W. and N. by W. Smooth sea. Light cirri. At 4.40 changed course to N. by W.

C. D. Galloway
Asst Surgeon U.S.N.

From 6. to 8. P.M.

Clear and cool. Bright starlight. Light airs from N.N.W. Under steam alone course N. by W.

C. A. Gadsden
Lieut U.S.N.

From 8. P.M. to Midnight

Clear and Cool. Bright starlight. Light airs and breeze from N. by E. to N.W. Smooth sea.

W. H. Wright
Ensign U.S.N.

Examined and found to be correct.

Geo. D. McMason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Osaka", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	1	25.0	N 64 W	N N W	2			30.17	69	68	62	70	bs	cus	9	S.L.
2	4	2	32.0	"	"	2			30.15	69	68	63	70	"	cu with	2	"
3	6	8	39.0	"	"	2			30.14	69	68	63	71	"	cu	2	"
4	6	8	45.8	"	"	2			30.14	69	68	63	71	"	"	2	"
5	6	6	52.4	"	N W	2			30.15	70	69	63	71	"	cis cu	5	"
6	4	1	59.5	"	"	2			30.15	70	69	63	71	"	"	3	"
7	4	0	66.5	"	"	2			30.16	70	69	64	71	"	"	3	"
8	6	9	73.4	"	"	2			30.18	70	69	64	71	"	"	3	"
9	6	4	80.1	"	"	2			30.19	71	70	65	72	"	cis	3	"
10	6	9	86.0	"	"	2			30.19	71	70	66	72	"	cis cus cu	3	"
11	4	8	94.8	N N W	N N E	2			30.18	70	69	65	72	"	"	3	"
Noon.	4	2	102.0	"	"	2			30.16	70	69	65	72	"	"	5	"

Squared N. 1035 Lat. N 30° Long E 141°

Course and distance made good since preceding noon by observations, N 64 W 1/4 W 135 knots tenths.

Position at Noon:
- Latitude by D. R. — N 30 ° 17' 00 "
- Longitude by D. R. — E 140 ° 59' 00 "
- Latitude by observations of ⊙ — N 29 ° 55' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 141 ° 04' 00 "

Position at 8 a. m.
- Latitude by D. R. — N 29 ° 59' 00 "
- Longitude by do — E 141 ° 04' 00 "

Position at 8 P. M.
- Latitude by do — N 30 ° 52' 00 "
- Longitude by do — E 140 ° 42' 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1200 "

Coal consumed during the preceding 24 hours, 7 tons 1520 lbs.

Coal remaining on hand at Noon, 31 " 1536 "

P. M.																	
1	4	2	106.2	N N W	N N E	1			30.12	71	69	64	72	bs	cis cus	5	S.L.
2	4	4	16.4	"	Calm	0			30.11	71	69	65	73	"	"	5	"
3	8	0	23.4	"	N E	0-1			30.11	71	69	62	73	"	"	4	"
4	4	4	30.8	"	Calm	0			30.12	72	70	64	73	"	"	4	"
5	4	0	38.5	"	"	0			30.13	72	70	65	73	"	"	4	"
6	4	0	45.6	"	"	0			30.14	72	70	65	73	"	"	6	"
7	4	3	52.8	"	West	1			30.14	71	70	65	72	"	cis cu with	6	"
8	4	1	59.8	"	"	1			30.14	71	69	65	72	"	"	4	"
9	6	8	66.6	"	W S W	2			30.13	70	69	63	71	"	"	3	"
10	4	0	73.4	"	"	2			30.12	70	68	63	71	"	"	4	"
11	4	4	81.3	"	"	2			30.10	70	68	63	71	"	"	4	"
Mid.	8	0	89.3	"	"	3			30.08	70	68	63	71	"	"	4	"

under the command of Commander T. F. Jewell, U. S. Navy,

Saturday December 10th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Unfits A. M.

Generally clear, bright and cool. Moon rose at 1h 0m. Clouds stratus, cumulus and cirrus coming over from N.W. after 1st hour. Light breeze from N.N.W. Smooth sea, with long, easy swell from N.W. Ship rolling easily. At end of watch, on course N. by W., under steam alone.

A. H. Standley
Ensign U.S.N.

From 4 to 8 A.M.

Fair and cool weather. Light breeze from N.W. Smooth sea, light easy swell from N.W. Overhauled starboard bower chain. Steam, alone, course N. by W.

J. W. Downes
Ensign U.S.N.

From 8 A.M. to Meridian

First part cloudy with light airs from N.W., prevailing to gentle breeze at 10 A.M. shifting suddenly to N.N.W., remaining light from same quarter during remainder of watch. Made sail as required. Sea smooth. Gentle swell from N.N.W. At 10 changed course to N.N.W. Engaged cleaning ship. At 9.35 started fires in boilers 6 and 8. At 11.25 hauled fires in boilers 5 and 7 on account of leak in back connections of No. 7.

C. C. Galloway
Lieut U.S.N.

From Meridian to 4 P.M.

Weather pleasant. Partially cloudy. Calms and light airs from N. and E. At 12.10 took in fore and aft sail. At 12.35 changed course to N. by W. 1/2 W. P.L. 6.2. Hauled in P.L. for 10 minutes between 2 and 3.

C. F. Preston
Lieut U.S.N.

From 4 to 6 P.M.

Fair and pleasant. Heated at 5 o'clock funk over red propeller for patent log. Logging by chip log by order of Comdg Officer. Moderate swell from N.W. Under steam as required. At 5. mustered crew at quarters.

A. W. Scoggins
Ensign U.S.N.

From 6 to 8 P.M.

Partly clear with cumulus and misty clouds moving east from S.W. Bright starlight. Light airs from west. Smooth sea with long swell from N.W. Ship rolling easily. At 6.45, set fore and aft sail. At end of watch, on course N. by W. 1/2 W., under steam and fore and aft sail.

A. H. Standley
Ensign U.S.N.

From 8 P.M. to Midnight

Cloudy and cool, heavy cumulus clouds passing east from west first two hours. Light breeze springing to gentle breeze from W.S.W. at 9.30 set foresail and at 10.30 topsails, steaming with four boilers. At end of watch under foresail, topsails and fore and aft sail. Course N. 10 1/2 W. P.L. 8 by 3.

J. W. Downes
Ensign U.S.N.

Examined and found to be correct.

Lieut U.S. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	6	94.1	N 40° W 1/2 W	S W	3			30.04	70	68	63	70	b s	cum strius	4	S R
2	9	3	105.6	"	"	3-4			30.04	70	69	63	70	"	cum str	5	"
3	9	3	14.3	"	"	4			30.00	70	69	63	70	"	"	5	"
4	8	9	22.8	"	S S W	4			29.98	70	69	64	70	"	cum strat	3	,
5	9	1	31.5	"	"	5			29.96	70	69	64	70	o s	"	0	"
6	9	8	41.3	"	"	5			29.95	70	68	65	70	b clr	"	2	R
7	9	3	51.0	N. N W	S W	5-6			29.94	71	69	66	70	b s	"	1	"
8	9	6	60.5	"	W. S W	5-6			29.94	71	70	66	70		"	2	"
9	9	2	69.7	"	"	6		1/2	29.94	71	70	66	69	"	cir cum	4	"
10	8	0	77.7	"	"	6		1/2	29.93	70	69	66	66	"	"	4	"
11	6	5	85.2	"	N W by W	4			29.90	69	68	63	66	"	"	6	R
Noon.	5	2	90.6	"	N W	4			29.90	69	67	63	66	"	cum	9	"

Lat 32.00 Long 140° Sunset 103.4

Course and distance made good since preceding noon by observations, N 64 W 31.4 W 8.2 knots tenths.

Position at Noon:
- Latitude by D. R. — N 32° 05' 00"
- Longitude by D. R. — E 139° 42' 00"
- Latitude by observations of ⊙ — N 32° 05' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ — E 139° 45' 00"

Position at 8 a. m.
- Latitude by D R — N 32° 05' 00"
- Longitude by " — E 139° 42' 00"

Position at 8 P. M.
- Latitude by Bearings Fatyicca Ted — N 33° 05' 00"
- Longitude by " S.E. Point Inner Work N — E 139° 55' 00"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1107 "

Coal consumed during the preceding 24 hours, 7 tons 1940 lbs.

Coal remaining on hand at Noon, 23 " 1836 "

P. M.														
1	4	0	94.1	N N W	N W by W	5-4	1	29.88	62	59	56	b s	cum	Q R
2	3	5	98.2 / 99.2	"	"	5-4	1	29.86	62	59	56	"	"	Q "
3	1	2	100.4	N W by W	"	5-8	1	29.84	61	58	54	"	"	Q "
4	1	2	1.8	N W 1/4 W	"	4-6	1	29.89	61	58	52	"	"	Q "
5	2	6	2.8	N W by W	N W	6		29.91	60	54	52	b cum	,	Q "
6	2	4	4.0	"	"	6		29.92	60	54	51	"	,	Q "
7	2	6	5.9	"	N W by W	5-6		29.95	61	56	51	"	,	Q "
8	3	4	8.0	"	"	4-6		29.96	61	56	51	"	o s	Q "
9	2	4	10.6	N N W	"	4-6	1	29.98	60	55	50	b mg	cum	Q "
10	4	1	13.4	"	N W N W	5-4	1	30.00	58	52	50	"	"	Q "
11	4	2	17.4	"	"	4-4	1	30.00	57	52	50	"	mg	10 "
Mid.	4	1	20.5	"	"	6-8	1	29.99	57	52	51	"	,	10 "

under the command of Commander F. F. Jewell, U. S. Navy,
Sunday December 11th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends as follows:

From 4 A.M. to 8 A.M.

Generally fair with increasing cloudiness towards close of watch. Very light rain last part. Moderate to stiff breeze from S.S.W. Smooth sea. Hove to at 3. Steam (4 boilers) for'd and aft sails, foresail and topsails. Course N. by W. 1/2 W.

G. D. Galloway
Lieut. U.S.N.

From 4 to 8 A.M.

Overcast and cloudy. Stiff breeze from S.S.W. hauling to W.S.W. at end of watch and freshening. Slight rain during first hours. Took in flying Jib at 5. At 7, sighted Agosima Id bearing about N.W. at end of watch Agosima Id bore N. Way. W, distant about 1 1/2 miles at 6 to changed course to N.N.W. P.L. 67.7

C. A. F. Mayo
Lieut. U.S.N.

From 8 A.M. to Meridian.

Partly clear cool. Fresh to occl fresh breeze from W.S.W to N.W. at 8:40 called all hands and took two reefs in topsails. At 9.30, mustered crew at quarters. At 10.0 took in topsails, at 10.40 foresail and at 11.05 for'd and aft sails. Lost sight of Agoa Sima at 9.10 on account of haze.

E. M. B. Hoogewerff
Ensign U.S.N.

From Meridian to 4 P.M.

Generally clear, bright and cool. Occasional light cumulus clouds. Moderate to fresh breeze 1st half, from N. by W (W), increasing 3d hour, to moderate gale, but falling last hour, in lee of island, to moderate to fresh breeze. Rough, heavy sea from N. by W (W). Ship knocking about considerably. At 2.30 sighted Fatzisio Id. bearing (p.s.) N.W. 1/2 W. Changed course to N. by W. 1/2 W. P.L. 99.4. At 3.15, changed course to N.W. 1/2 W., P.L. 100.9, Making for island, which steered to end of watch. Under steam alone. Got singhy inboard. At end of watch, middle of Fatzisio Id bore (p.s.) N. by W.

H. Hamilton
Ensign U.S.N.

From 4 to 6 P.M.

Clear, cool and pleasant, hazy around horizon. Fresh increasing at times to very fresh breeze from N.W. Heavy cross sea. Rolling and pitching heavily. At 4, changed course to N.W. by W., Fatzisio Id ahead, Northern end bearing N.W. 1/2 W. Steam alone. P.L. 44.9 Moored and 9 officers landed F. Smith and S.

F. F. Jewell
Ensign U.S.N.

From 6 to 8 P.M.

Clear and cool. Very fresh breeze moderating during watch from N. by W. Moderate sea with occasional heavy seas from N.W by W. Observed three flashes white to N.N.W. and N and W, moving to W. Under steam alone heading N. by W. toward Fatzisio Island.

G. D. Galloway
Lieut. U.S.N.

From 8 P.M. to Midnight

Clear and cool, slightly misty around horizon. Wind squally from N. by W and W.N.W, varying in force from moderate to fresh and during last hour increasing occasionally to a moderate gale. Rough sea. Ship rolling moderately and pitching deeply. At 8 changed course to N.N.W. Set fore topmast staysail, main trysail and spanker.

C. A. F. Mayo
Lieut. U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	6	23.1	N. N. W.	W. N. W.	4-8		3	29.95	56	65	55	60	b.m.q.	mm,	10	A-L
2	3	8	26.7	"	"	4-9		3	29.94	56	64	49	61	"	"	10	"
3	3	8	30.2	"	"	4-9		3	29.94	56	64	50	61	b.c.m.q.	cum-str	9	"
4	3	0	32.9	"	"	4-9		3	29.93	55	53	49	61	"	"	9	"
5	2	0		N. by W.	"	4-9		5	29.95	55	54	50	61	"	"	9	"
6	2	5		"	"	6-8		5	29.94	55	53	50	60	"	"	9	"
7	2	5		"	"	6-8		5	29.95	55	53	50	60	"	"	8	"
8	2	5		North	"	6-8		6	29.95	54	52	49	60	"	"	7	"
9	1	0		N. by E. 1/2 E.	"	8		4	29.94	55	53	49	62	"	"	6	"
10	1	0		N. by E.	"	8-9		4	29.99	55	53	49	62	"	"	6	"
11	1	0		N. by E. 1/2 E.	"	8		4	30.00	56	53	48	63	"	"	6	"
Noon.	1	0		"	"	8		6	29.09	55	55	49	63	"	"	5	"

Course and distance made good since preceding noon by observations, N 3/4 E 45 knots tenths.

Position at Noon:
- Latitude by D. R. — N 33 ° 39 ' 00 "
- Longitude by D. R. — E 140 ° 00 ' 00 "
- Latitude by observations of ⊙ — N 33 ° 39 ' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ — E 140 ° 16 ' 00 "

Position at 8 a. m.
- Latitude by D R — N 33 ° 39 ' 00 "
- Longitude by do — E 140 ° 14 ' 00 "

Position at 8 P. M.
- Latitude by " — N 33 ° 38 ' 00 "
- Longitude by " — E 140 ° 17 ' 00 "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 800 "

Coal consumed during the preceding 24 hours, 6 tons 820 lbs.

Coal remaining on hand at Noon, 17 " 1016 "

P. M.														
1	1	0		N. by E.	W. by N.	8-9		6	29.96	55	53	49	63	b.c.m.q.	cir-cum	4	A-L
2	1	0		"	"	7-9		6	29.93	55	53	49	62	"	"	4	"
3	1	0		"	"	7-9		6	29.93	55	54	49	62	"	"	4	"
4	1	0		"	"	6-8		6	29.96	55	54	50	63	"	"	4	"
5	Laying to Heading				W. N. W.	4-6			29.95	60	55	50	63	"	cum	3	"
6	N. by W. to N. N. E.				"	4-6			30.00	56	56	51	63	"	"	6	"
7	0	5	33.1	N. by E.	N. W. by W.	4-6			30.00	57	56	51	64	b.c.q.	"	8	"
8	5	0	38.0	North	N. W.	4-5			30.00	57	56	51	64	"	"	8	"
9	3	9	40.6	"	N. N. W.	2-1			30.02	58	56	51	63	b.m.	nm	10	K-W
10	2	2	43.8	N. by W.	N. N. E.	1-2			30.02	58	56	51	63	"	"	10	"
11	6	1	45.6	N. N. W.	"	1-2			30.03	58	56	51	63	"	"	10	W
Mid.	6	3	51.7	"	"	1-2			30.04	58	55	50	63	"	"	10	"

under the command of Commander T. F. Jewell, U. S. Navy,

Monday December 12th, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.

Clear, cool and squally. Bright starlight. Hazy about horizon. Very fresh breeze to strong gale from W.N.W. At 3.05 hook in spanker and hauled down f. t. staysail on account of split in spanker. Rough sea. Ship rolling and pitching deeply at times.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 A.M.

Partly clear with cumulus clouds. Hazy around horizon. Spirit flying over from sea. Wind from W.N.W, carrying in force 1st hour, from moderate breeze to strong gale, afterwards from fresh breeze to moderate gale, under steam and main trysail till 4.30, when close reefed and set main topsail. At 4 A.M., stopped engine and banked fires and hook in head of main trysail. Making from N. by W. to North by the wind at end of watch, lying to under close reefed main topsail and foot of main trysail. Rough heavy sea from N.W. by W. Ship rolling deeply at times. Sighted Fatzisco Id at about 7 A.M., bearing S. by S.W. but lost sight of it almost immediately.

W. B. Hoggatt
Ensign U. S. N.

From 8 A.M. to Meridian

Fair and cool weather. Moderate breezes varying in puffs at times to fresh gale from W.N.W. Heavy sea from W.N.W. Ship rolling and pitching deeply. Lying to with close reefed main topsail and foot of main trysail hauled out. Sighted Fatzisco making first land bearing S.S.W. Bent new spanker and f. t. staysail. Heading about N. by E. ½ E.

J. F. Jewell
Ensign U. S. N.

From Meridian to 4 P.M.

Moderate to fresh gale from W. by S, moderating slightly during last half. Heavy sea also decreasing last half. Wind stormy in puffs but further apart last half. Generally fair with heavy cirrus clouds passing over with wind whipped cirrus clouds stationary or moving slowly from N.N.W and E. At 1 set close of spanker. Ship lying to between North and N.N.E. under close reefed main topsail, close of main trysail and spanker. Ship rolling deeply at times but easily, behaving well, shipping no seas.

Wm. Galloway
Lieut U. S. N.

From 4 to 6 P.M.

Cool and partially cloudy. Wind squally from W.N.W. Moderate sea. Hauled out head of main trysail and spanker at 5. Shook one reef out of main topsail at 5.30. Lying to heading N.N.E to N. by W.

Lieut U. S. N.

From 6 to 8 P.M.

Generally clear, cool, squally. Moderate to fresh breeze from N.W. by N. to N.N.W. at 6.30 ahead fires and coupled screw. At 8 P.M. furled main topsail. Course ahead under steam on course N. by W. at 7 P.M. on course bent and set f. t. staysail and jib. Rough heavy sea from N.W. Ship rolling deeply at times.

W. B. Hoggatt
Ensign U. S. N.

From 8 P.M. to Midnight

Clear and cool. Hazy around horizon. Light airs to breeze from N.N.W. to 6 N.E. Moderate to heavy sea, at first falling considerably latter part. Ship rolling deeply at times. At 8 P.M., changed course to N. by W, P.L. to 6 and at 9 P.M., to N.N.W, P.L. to 5. at end of watch on course N.N.W. under steam alone.

T. F. Jewell
Ensign U. S. N.

Examined and found to be correct.

Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	8	64.8	N. N. W.	E. N. E.	1			30.05	58	65	49	62	b.w.	nmg	10	
2	6	8	74.3	"	"	1			30.04	54	65	50	62	"	"	10	"
3	6	6	80.5	"	"	1			30.08	54	56	50	61	"	"	10	"
4	6	6	86.1	"	"	1			30.09	54	56	50	61	"	"	10	"
5	6	8	92.9	"	N. N. E.	1			30.11	56	55	49	61	"	"	10	"
6	7	8	99.5	N. W. by N.	"	1			30.12	54	56	50	61	b.cu.	cumnim	9	"
7	6	9	106.2	"	North	1			30.16	54	56	51	61	"	"	9	"
8	6	4	12 8	"	"	1-3			30.22	60	55	50	61	"	"	9	"
9					N. N. E.	4			30.22	60	55	50	64	"	"	9	"
10			Tenth	Practice	"	4			30.22	60	54	49	64	"	cum	9	"
11	6	5	23.4	N. by E.	"	4-5			30.24	55	53	49	62	"	"	9	"
Noon.	6	4	29.9	N. by W. ½ W. E.	"	4			30.24	57	53	48	62	"	"	9	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 500 "

Coal consumed during the preceding 24 hours, 6 tons 960 lbs.

Coal remaining on hand at Noon, 11 " 56 "

P. M.														
	0	36.8	N. by E. ½ E.											
1	0	4	34.1	N. N. E.	N. N. E.	4			30.21	52	62	b.cu.	cu.nim	
2	1	8	38.8	Steering up	"	3			30.21	55	62	"	"	6 "
3	1	2	51.5	Yoda Bay	"	2			30.21	54	50	62	"	" 6 "
4	Ship's Head			S. E. by E.	"	2			30.21	50	50	"	"	6 "
5				E. by S.	E. by S.	1			30.20	56	49	"	"	4 "
6				N. N. E.		1			30.20	54	51	"	"	4 "
7				N. N. W.	W. N. W.	1			30.21	50	50	b.f.	nmg	10 "
8				N. E. by E.	Calm	0			30.22	50	50	"	"	10 "
9				S. W. by S.	W. S. W.	1			30.21	50	50	b.cu.	cumnim	9 "
10				N. W. by W.	Calm	0			30.20	54	48	46	"	" 9 "
11				N. N. W.	"	0			30.18	54	47	45	"	" 9 "
Mid.				N. W. by N.	"	0			30.15	54	47	46	"	" 9 "

under the command of Commander T. F. Jewell, U. S. Navy,

Tuesday December 13th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and Quiet at A.M.

Clear cool & pleasant. Hazy around horizon. Light airs from E.N.E. Smart ebb. Steaming course N.N.W. P.L. 8 K.

T. F. Jewell
Ensign U.S.N.

From 4 to 8 A.M.

Clear with light airs from N.N.E. & N. Hoist fresh breeze last half hour to gratify buoy at 4h 0m. Sighted Cape King light from aloft, bearing about N by W. ½ W. at 5h bearing N by W. Changed course to N.W. by N. Lighted Fires 1st at about 6h, bearing W by N. at 5h 0m set fore & aft sails. At 6h 30m hoist in fires & aft sails. Got anchors off bows. Hauled preparations for Great Gun target practice. Sea smooth.

Jno. Galloway
Lieut U.S.N.

From 8. A.M. to Meridian

Clear & cool. Moderate to stiff breeze from N.N.E. At 8:20 started fires in boilers 1 & 3 for distilling. At 8 30 sent target overboard, beat to General quarters & exercised at target practice with Great guns, 3" Dis also practiced with rifles. Expended in Ord Dept 3, 8" charges and shells, 3-6 Pdr charges & shells, 12 9" charges & shells 5 Sh Ot Cowing Primers 20 Gun Primers 5 Friction Primers and 300 cartridges Cal .45. At 9h 0m picked up target & steamed ahead on course N. by E. P.L. 16 K. At 10 sighted Kuwaun Light on Port bow. At 11h 20 sighted Tsurugi and bearing N by E ¼ E. At 10 38 changed course to N by E ½ E. P.L. 27 K. At 9:20 started fires in boilers 2 & 4 & at 10.50 connected them with the four steaming boilers. Hoisted out Dinghy.

C.A. Gaughey
Lieut U.S.N.

From Meridian to 4 P.M.

Clear & cool. Had moderate to light breeze from E.N.E. Steaming up the Bay of Yedo the Navigator & Envoy Officer at the Comm. Exchanged numbers with U.S.S. Monocacy. At 2h 09m made Signal Int 1 & 11 & moored 9 cl. At 3h 09m let go starboard anchor. At 3. 21 let go port anchor. Moored ship in 5 fms water 30 fms on each chain, sticky bottom. Bearings per compass Old Light W ½ S. English Flag Staff S ¼ W. Received visits of courtesy from French Flag ship "Turenne" & German gunboat "Wolf" Senior Officer paid an official visit to Senior Officer present Senior "Monocacy". Sent officer to make official visit to U.S. Consul General. Distilling. Draft 13 fwd & 15 aft.

W.B. Hoggatt
Ensign U.S.N.

From 4 to 8 P.M.

Clear & cool. Calms & light variable airs. At 5h 30m moored ship, heaving up starboard anchor & shifting berth to P.M.'s W'd. Let go starboard anchor, mooring with 60 fms on port & 30 on starboard chain. Bearings at new moorings. Mast Staff Coast, English Flag staff S by W.

C.A. Gaughey
Lieut U.S.N.

From 8. P.M. to Midnight

Partly clear, foggy. Light airs from W. & W.S.W. Calm. Distilling.

W.B. Hoggatt
Ensign U.S.N.

Examined and found to be correct.

Theo. D. Buchanan
Lieut Navigator.

LOG of the UNITED STATES Steamer "Idaho", 3d Rate,

Moored in the harbor of Yokohama.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.W. by N	Calm	0			30.135	14	54	43		b.cus	cums	2	1
2				"	N.W. by N	1			30.105	04	44	42		"	"	2	
3						1			30.105	04	44	42		"	"	5	"
4				N. N.W.	N. N.W.	1			30.05	04	44	42		"	"	6	"
5				N.W. by N	North	1			30.05	04	54	43		"	"	8	"
6				N. N.W.	Calm	0			30.01	49	45	43		"	"	8	"
7				W. N.W.	"	0			29.99	50	45	43		"	"	8	"
8				W. by S	"	0			29.96	50	44	42		"	cir.cums	5	"
9				West	West	1			29.93	60	44	43		"	"	2	"
10				North	"	1			29.90	60	44	45		"	cums nmb	1	"
11				W. N.W.	"	1			29.83	55	49	44		"	"	1	"
Noon.				S. S.W.	S.W.	1-2			29.756	56	56	56		b.cl.	"	2	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 2500 "

Water remaining on hand fit for use at Noon, 21900 "

Coal consumed during the preceding 24 hours, 2 tons 400 lbs.

Coal remaining on hand at Noon, 8 " 1896 "

P. M.										
1	S. by W	S. S.W.	2-5	29.68	63	58	54	b.cgs cums	1	1
2	South	"	2-5	29.68	63	59	56	"	1	"
3	S. by E	"	2-4	29.63	64	58	56	b.cgs	0	"
4	S. S.E.	"	2-5	29.48	64	58	54	b.cgs	1	"
5	South	"	3-5	29.43	66	59	58	"	3	"
6	W. by N	"	2-4	29.41	66	59	58	b.cgs	5	"
7	North	N. N.W.	2	29.46	55	53		b.s cums	8	1
8		N. N.E.	2	29.49	62	52	50	"	8	"
9	N. by W	North	2-4	29.49	61	51	49	b.cg	8	"
10	N. by E	"	2-4	29.50	61	48	45	"	7	"
11	N. N.E.	"	2	29.55	61	48	45	b.s	5	"
Mid.	North	"	1-2	29.58	61	49	46	"	4	"

under the command of Commander T. F. Jewett, U. S. Navy,

Wednesday December 14th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.

Partly clear, bright and cold. Hazy around horizon. Cumulus clouds. Calm 1st hours. Light airs from N. to W. N. and N. N. W. afterwards. Latitiming.

H. Reynolds
Ensign U.S.N.

From 4 to 8 A.M.

Cold, misty. Calms and light variable airs. Ha appreciable tide. Moored in harbor of Charleston chain on port. Latitiming.

L. A. Dewitt
Lieut U.S.N.

From 8 A.M. to Meridian.

Cloudy and hazy with very light passing showers, last hour. Light airs to brisk from West and in squalls from S.W. Commanding Officer paid official visit to French Flagship and German Gunboat. Received official visits from Senior Officer U.S.S. "Monocacy". Latitiming.

W. B. Taggart
Ensign U.S.N.

From Meridian to 4 P.M.

Overcast with cumulus clouds. Passing showers 1st part, rainy afterwards. Wind varying in force from light to stiff brisk in squalls from S.W. Short chopping sea. Ship steady. Got in sailing launch. O'Brien Sea and 6 Seamen, 6 Ord. were transferred to this vessel from U.S.S. "Monocacy". Latitiming. At end of watch bending chain cables.

H. C. Poundstone
Ensign U.S.N.

From 4 to 8 P.M.

Overcast squally and raining first part. Clear and cool last part. Light to stiff breeze in squalls from S.W. to N.N.E. At 4 is signaled "Monocacy" Ant 6/40. Answered Pt. At 4:30 sent down Topgallant mast Boat, sheet chains. Shipped Latitiming. Moored in harbor chain on top.

W. B. Taggart
Ensign U.S.N.

From 8 P.M. to Midnight

Partly clear, with cumulus clouds. Cold. Squally 1st part, and light breeze from North, increasing in squalls to moderate breeze, light airs to breeze from North latter part. No tidal observations. Moored in harbor.

H. C. Poundstone
Ensign U.S.N.

Examined and found to be correct.

Theo. B. M. Mason
Lieut U.S.N.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by W	Calm	0			29.59	59	48	45		b c	cum	5	g
2				N by E	"	0			29.63	56	46	42		"	"	6	"
3				N. N. E	"	0			29.64	56	46	43		"	"	7	"
4				S.W.	S.W.	1			29.66	53	44	42		"	"	7	"
5				S.W.	"	2-4			29.66	51	43	40		"	"	9	"
6				S.W. by W	"	2			29.68	50	43	40		c	nmc	10	"
7				"	"	2			29.69	49	44	38		b c	cir cum	8	"
8				"	"	2			29.71	50	40	37		"	"	8	"
9				W. by S.W.	W. by S.W.	3-4			29.72	52	42	39		"	"	8	"
10						3-4			29.72	50	44	40		"	"	8	"
11				S.W.	S.W.	4-6			29.73	53	46	42		b c g	"	8	"
Noon.				"	"	4-6			29.72	55	49	43		"	"	8	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at Noon, 2 tons 09 "

Coal consumed during the preceding 24 hours, tons 1590 lbs.

Coal remaining on hand at Noon, 8 " 306 "

P. M.									
1	S.W.	S.W.	3	29.65	66	50	44	b c	cum 9
2	S.W. by S.	"	3	29.66	59	51	45	"	" 9 "
3	S.W.	"	3	29.68	54	51	45	"	" 9 "
4	S.W. by W	"	3	29.69	56	51	45	"	" 9 "
5	S.W.	"	3-4	29.74	62	49	44	"	cir cum 8 "
6			3-4	29.75	62	48	44	b c g	cum 9 "
7	W. by S.W.	W. by S.W.	3-4	29.78	62	47	43	"	" 9 "
8	S.W. by W	S"	3-4	29.80	62	46	42	"	" 9 "
9	S.W. by S.	S.W.	3-4	29.80	62	46	42	"	" 9 "
10	S.W.	"	3	29.81	62	46	42	"	" 9 "
11		"	3	29.81	62	45	41	b	mc 10 "
Mid.	S.W. by S.	"	3	29.81	62	45	41	"	" 10 "

under the command of Commander T. F. Jewell, U. S. Navy,

Thursday December 15th, 1887.

E MISCELLANEOUS EVENTS OF THE DAY.

4 A. M.

and cool. Calm first three hours light airs
ock Qrs.

T. F. Jewell
Ensign U.S.N.

Light, to moderate breeze from S.W. Received
egetables, 9# lbs Bread.

W. B. Haggatt
Ensign U.S.N.

eldom

bright and cool. Air cum clouds. Gentle to moderate
hifting to S.W. last part & embracing to fresh
er of German Gunboat "Wolf" called. Finished scrubbing
, Washington Navy Yard. Found, Y. Charette, S.A. 1
ader of Ensign Officer of Guard, called out sentry &
alm side with stores. Finished getting stores aboard,
tores & Equipment stores as follows (lists appended.

E. H. Comstock
Ensign U.S.N.

to 4 P.M.

leasant. Gentle breeze from S.W. Barometer rising
Stevens called.

T. F. Jewell
Ensign U.S.N.

and cool. Light cumulus clouds. Gentle breeze from
ship. At 1/2 sent fire party on shore in obedience
officer Orders.

E. H. Comstock
Ensign U.S.N.

idnight

leasant. Gentle breeze from S.W. Fire party
turned. A.C.C. Campbell, Esq. Pilot & Brig,
ifts 2 Quarters, absent without leave.

T. F. Jewell
Ensign U.S.N.

Equipment

12	Canvas Buckets		
6	Tar "		
88	lbs. 6 thd Seizing		
90	" 12 thd "		
72	" 15 thd Ratline		
89	" 18 thd "		
74	" 1 1/2 in. Hemp		
47	" 1 3/4 " "		
88	" 12 thd. Manila		
46	" 15 " "		
72	" 1 1/2 in "		
109	" 1 3/4 " "		
198	" 2 1/4 " "		
162	" 2 3/4 " Hemp		
85	" Codline		
110	" Spun Yarn, 2 Yarn		
88	" " " 3 "		
136	" Marline		
52	" Roundline		
86	" Hambroline	tarred	
52	" "	white	
106	" Houseline		
20	Hooks & Thimbles		
15	Sister Hooks		
20	Thimbles		
100	Hickory Brooms		
60	Corn "		
20	Squilgee & Handles		
8 1/2	lbs. Beeswax		
38	yds Cotton Canvas		#2
57	" "		#4
158	" "		#5
59	" "		#8
50	" Flax		#2
40	" "		#3
80	" "		#4

(over)

Examined and found to be correct.

Chas B. McVay 3rd
Lieut Navigator.

Provisions.

1331 lbs. Flour
350 " Fruit
480 " Butter
1956 " Can. Meats
512 " Ham
516 " Bacon
440 " Sausage
468 " Fish
870 " Can. Vegetables
1300 " Salt Beef
2600 " " Pork
480 " Tomatoes
2318 " Sugar

Small Stores

108 boxes Blacking
50 Shoe Brushes
50 Whisp Brooms
100 doz. Pearl Buttons
240 pcs. Needles
100 Jack Knives
100 Cakes S. Soap
1050 lbs. S. W. Soap
1000 " Tobacco
300 yds. White Tape
216 Thimbles

Clothing.

100 prs. Drawers
100 Overshirts
00 prs. Calf Shoes
50 " Kip "
00 " W. Sock
00 Working Suits
00 Under Shirts
23 yds. Cloth
65 " Flannel 6/4
22 " Sheeting
08 " Canvas Duck

Navy Yard
Boat
Coal
Gas

...des T. F. Jones, U. S. Navy,
...hursday December 15th, 1881.

...HE MISCELLANEOUS EVENTS OF THE DAY.

...4 A.M.
...ed cool. Calm first three hours light airs
...outh Qrs.

T. F. Jones
Ensign U.S.N.

...Light, to moderate breeze from S.W. Received
...Vegetables, 9 lbs Bread.

W. B. Haggatt
Ensign U.S.N.

...risian
...bright and cold. Cirro cumulous clouds. Gentle to moderate
...shifting to S.W. last part. Employed variously to first
...ices of Spanish Gunboat "Wolf" called. Finished scrubbing
...and under hatchway Yards. Found J. Charette, O.A. 1st
...by order of Envoy Officer placed under sentry
...almy ...with stores. Finished getting stores aboard
...waters & Equipment stores as per lists appended.

E. H. Pownall
Ensign U.S.N.

...to 4 P.M.
...Pleasant. Gentle breeze from S.W. Barometer rising
...th Thermometer falling.

T. F. Jones
Ensign U.S.N.

...P.M.
...1) and cold. Light cumulous clouds. Gentle breeze from
...ally. At 1/2 past five Party on shore in charge
...s officer returned.

E. H. Pownall
Ensign U.S.N.

...Midnight
...Pleasant. Gentle breeze from S.W. Five Petty
...Officers, R.C.C. & Campbell, Sail Q. Park & Brien,
...Chiefs & Porters, absent without leave.

T. F. Jones
Ensign U.S.N.

Examined and found to be correct.

Chas B. McVay
Lieut U.S.N. Navigator.

83 yds. Flax Canvas #6
83 " " " #7
84 " " " #8
24 lbs. Flax Twine
15 " Cotton "
96 Sail Needles
28 Roping "
6 bbls. Lime.

Navigation
24 Signal Rockets & Stars

Ordnance
10 Quarterly Returns & Envelopes
15 Reports of Target Prac. S. Guns
40 " " S. Arms
15 " " M. Guns
1 Receipt Book
1 Expenditure Book

Ordered Aboard
Dec. 13th
Sloop Canon
Office

Respectfully T. T. Jones, U. S. Navy,
Thursday December 15th, 1887.

THE MISCELLANEOUS EVENTS OF THE DAY.

I. J. Jones, U. S. Navy,

Thursday December 15th, 1881.

E MISCELLANEOUS EVENTS OF THE DAY.

Commences, ags. Cutter at A. M. Partly cloudy and cool. Calm first three hours light airs from S.W. last hour. Smooth sea.

J. J. Jones
Ensign U.S.N.

From 4 to 8 A.M. Clear and cool. Light to moderate breeze from S.W. Received in Pay Dept 1 2/16 lbs Vegetables, 9 lbs Bread.

F. M. Boggs
Ensign U.S.N.

From 8 A.M. to Meridian Generally clear, bright and cold. Cirrus clouds. Light to moderate breeze at first from W.S.W. shifting to S.W. last part & increasing to fresh breeze in squalls. Midy Officer of German Gunboat "Wolf" called. Finished scrubbing main and mizzen masts, main and mizzen topsail yards. Found J. Charette, O.A.1, drunk in the gig and he was by order of Midy Officer placed under sentry's charge. At 9 A.M. lighter came along side with stores. Finished getting stores aboard at 11 A.M. having received Paymasters & Equipment stores as follows (lists appended).

E. H. Tourtellotte
Ensign U.S.N.

From Meridian to 4 P.M. Clear cool and pleasant. Gentle breeze from S.W. Barometer rising. Midy Officer of French Gunboat "Tureng" called.

J. J. Jones
Ensign U.S.N.

From 4 to 8 P.M. Generally clear and cold. Light cumulus clouds. Gentle breeze from S.W. to W.S.W. Squally. At 7 P.M. sent fire party on shore in obedience to signal from Senior officer present.

E. H. Tourtellotte
Ensign U.S.N.

From 8 P.M. to Midnight Clear, cool and pleasant. Gentle breeze from S.W. Fire party returned on board. J. Chretien O.C., C. Campbell, Q.M.S., Patk. O'Brien, Ord'y, and M. J. O'Brien, Ship's Corporal, absent without leave.

J. J. Jones
Ensign U.S.N.

Examined and found to be correct.

Chas B. McVay 3d
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED By Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sw	Sw	3-4			29.806	14	54	41		b	nmc	10	S
2				"	"	3-4			29.806	14	54	41		b	cumstr	9	"
3				"	"	3			29.816	34	44	40		"	"	9	"
4				"	"	2-3			29.816	34	44	40		"	"	9	"
5				"	"	2-3			29.806	44	54	41		"	"	9	"
6				S. W. by S.	"	2-3			29.816	44	44	41		"	"	9	"
7				"	"	2-3			29.866	44	44	41		b. cldy	cir, cumy cu	8	"
8				Sw	"	2-3			29.868	46	46	43		"	"	8	"
9				"	"	2			29.894	49	46	45		"	cir, cumy	8	"
10				"	"	2			29.904	52	52	44		"	"	8	"
11				Sw by W	"	2			29.887	05	54	48		"	"	8	"
Noon.				Sw	"	2			29.856	8	55	49		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″ / Latitude by observations of ⊙ ° ′ ″ / Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2300 "

Coal consumed during the preceding 24 hours, tons 1240 lbs.

Coal remaining on hand at Noon, 7 " 1306 "

P. M.								
1	S W by S	S W	2	29.846	54	51	b	cumy cu S
2	S S W	"	1	29.846	54	51	"	" cu "
3	S W by S	"	1	29.846	58	51	"	" cu "
4	S W by S	"	1	29.846	58	51	"	" cu "
5	S by E	"	1	29.846	40	41	b cumy	" cu "
6	S S E	"	1	29.866	56	51	"	cumstr cu "
7	W by S	"	1	29.863	55	50	"	" cu "
8	W S W	"	1	29.862	01	48	"	" cu "
9	W by N	"	1	29.876	04	54	b	nmy 10 "
10	W N W	Calm	1	29.886	48	44	"	" 10 "
11	W by N	"	1	29.886	44	44	"	" 10 "
Mid.	S W	"	1	29.886	55	49	"	" 10 "

under the command of Commander T. T. Jewett, U. S. Navy,

Friday December 16th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A.M.

Clear and cold. Quite to moderate breeze from S.W. At 12.35 P. Sheldon C.P.O. and F. Wallace, Sea, came on board dead drunk having left fire party at 7.10 P.M. from Sea, came on board in good condition also having left fire party. They were confined in double irons by order of Comd'g Officer. Crossed in hawse.

T. H. Lewis
Acting Asst Surg U.S.N.

From 4 to 8 A.M.

Generally clear with cumulus & cirro cumulus clouds. Bright and cold. Light to fresh breeze from S.W. Hazy latter part. At 6 A.M. J. O'Brien Sea. came on board drunk having left fire party on shore and at 7 A.M. C. Campbell, O.S. drunk, also having left fire party on shore and both sent below by order of Comd'g Officer placed in double irons. At 7 o'c made sail to the Nourcacy which was answered by Ord. Sent up topgallant masts & got ready for coaling ship. Received in Pay Dept for issue to ship 12 1/2 lbs each of fresh beef and vegetables and 9 1/2 lbs fresh bread. Clear hawse.

T. C. Vogdes
Surgn U.S.N.

From 8 A.M. to Meridian

Clear and pleasant weather. Light breeze from S.W. At 9.30 mustered and inspected at quarters. At 10.30 began coaling ship. Clear hawse. At end of watch received 16 tons of coal on board. Repaired fore topmast staysail.

T. J. Toomey
Surgn U.S.N.

From Meridian to 4 P.M.

Clear and pleasant. Light airs from S.W. coaling ship. Received on board 61 tons of Tabscinna large coal. Crew variously employed. Part of ship at work painting outside. Carpenters gang at work repairing fore topmast staysail. Clear hawse. At noon, Ch, was by order of Comd'g Officer divided into Lamesmen.

H. A. Lepp
Acting Asst Surg U.S.N.

From 4 to 8 P.M.

Clear cool and pleasant. Light airs from S.W. Finished painting ship outside. Sent liberty party on shore. Clear hawse.

T. J. Toomey
Surgn U.S.N.

From 8 P.M. to Midnight

Clear and cold. Very light airs from West. Bright starlight. Clear hawse.

E. O. Galloway
Lieut U.S.N.

Examined and found to be correct.

Thos. B. M. Mason
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				This Head													
A. M.																	
1				S.W. by S.	Calm	0			29.89	59	45	43		b	nms	10	S
2				S.W.		0			29.90	58	46	44		"	"	10	"
3				W. by S.	West	1			29.88	56	46	45	42	"	"	10	"
4						1			29.85	54	44	44	41	"	"	10	"
5				N.E. by N.	"	1			29.85	54	44	44	41	"	"	10	"
6				N.W.	"	1			29.89	54	44	32	40	"	"	10	"
7				N.W. by N.	"	1			29.90	63	44	44	42	b.cw	cumu-str	9	"
8				N.N.W.	"	1			29.90	52	46	45	43	"	"	9	"
9				N.W. by N.	Calm	0			29.96	64	48	46		"	"	9	"
10				W by S		0			29.98	64	49	46		"	cumu	9	"
11				S.W. by S.	S.W.	1			29.94	64	51	48		"	"	9	"
Noon.				East	East	1			29.92	63	51	44		"	"	9	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons 190 lbs.

Coal remaining on hand at Noon, 57 " 1116 "

P. M.																	
1			N. E.	N.E. by E.	1			29.91	60	50	46	b.cw	cumu	8	S
2			E. by E.	"	1			29.91	61	50	46	"	"	8	"
3				"	1			29.93	63	50	46	"	"	8	"
4			N. E.		1			29.96	65	51	46	"	"	9	"
5			"	N. E.	1			29.96	66	51	46	"	"	9	"
6			N. by E.	"	1			29.98	63	49	43	"	"	9	"
7			N. by W.	North	2			30.00	58	46	41	"	"	9	"
8				N. by W.	2			30.05	58	45	41	"	"	9	"
9			N. W. by N.	"	1			30.02	58	43	39	"	"	9	"
10			"	"	1			30.05	62	43	39	"	"	9	"
11				"	1			30.05	63	43	39	"	"	9	"
Mid.			N. by W.	"	1			30.05	62	42	38	"	"		

under the command of Commander P. F. Jewett, U. S. Navy,

Saturday December 12th, 188[illegible].

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Latter A.M.
Bright clear & cool Calm & light Wds airs. Clear Weather.

From 4 to 8 A.M.
Clear cool & Pleasant. Light airs from East at 4 Commenced Unbending Mainsail at 6 at 6 to "Monocacy" answering Sig. at 7.30 "Monocacy" made Signal 33 50. at 7.45 crossed Topgallant Yards. Pleasant
F. A. Lewis
Naval Cadet U.S.N.

From 8 A.M. to Meridian
Clear & Pleasant. Calm first two hours then light Southerly airs shifting to East last hours. Received official visit from Commander Jas. C. Gillis U.S.N. Comdg U.S.S. "Monocacy" Painted Hammocks clothes & boat davits. Painters at work on white streak. Received three boxes on board belonging to the late Chaplain Bingham U.S.N. at 9.30 made Ensign at Ensign. at 10.45 "Monocacy" made 10 Sig. Airs & bending at 11.20. Clear Weather.
F. A. Lewis
Naval Cadet U.S.N.

From Meridian to 4 P.M.
Clear & cold Light breeze from N.E. by E. Received on board in Provisions 550 lbs Hard Bread 160 Gallons Beans 650 lbs Rice 650 lbs Potatoes 80 Jars Vinegar 80 Jars Molasses 80 Jars Peas & 50 lbs Candles & in Navigation 100 Jars Lard & Oil. at 1.00 "Monocacy" Made Signal 2240 Piped Down and bedding at 2.30 Japanese man-of-war came in Japanese Flag at Main immediately after the first a Salute of 19 Guns. Hauled Down Flag. She then saluted the French Admiral which was returned by French Flagship. Engaged receiving Stores, Painting ship & cleaning ship. Wm. Adams, Ord. Sea. was this day discharged from the U.S. Steamer Plover & this ship at his own request.
W. Galloway
Lieut U.S.N.

From 4 to 8 P.M.
Clear & Pleasant. Cool. Light airs & light breeze from N.E. to N by W. Discharging Stores. Clear Weather.
F. A. Lewis
Naval Cadet U.S.N.

From 8 P.M. to Midnight
Clear & Cold. Light airs from North. Clear Weather. Crew Employed as Sentry U.S.S. Lackawanna left the Ship on 16 days leave.
W. Galloway
Lieut U.S.N.

Examined and found to be correct.

Thos. B. M. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. W.	N. by W.	1			30.04	60	40	34		b.	cum	9	S
2				N by W	"	1			30.04	61	41	34		"	"	9	"
3				N. W. by N	"	1			30.04	63	43	38		"	"	9	"
4				W by W	"	1			30.04	63	40	38		"	"	9	"
5				N. N. W.	"	1			30.05	63	41	38		"	"	9	"
6				N E by N	"	1			30.05	63	41	38		"	"	9	"
7				North	"	1			30.05	62	40	34		"	"	9	"
8				N by W	"	1			30.04	58	39	36		"	cir. cum	8	"
9				N. N. W.	N. N. W.	1			30.02	46	41	38		"	"	4	"
10						2			30.02	44	44	39		"	"	9	"
11				North	N" N &	2			30.02	62	48	43		"	"	9	"
Noon.				E by N	E by E	2			29.99	54	50	46		"	"	9	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1500 "

Coal consumed during the preceding 24 hours, tons 1920 lbs.

Coal remaining on hand at Noon, 56 " 1436 "

P. M.										
1		East	East	2	29.98	53	49	45	b. cum cir	8 S
2		N E" by E	N E" by E	3	29.97	52	49	44	cir	4 "
3		E N E"		3	29.95	52	49	44	" "	4 "
4			"	3	29.96	51	49	44	" "	0 "
5		"	"	2	29.99	61	49	44	" cum cir	2 "
6			"	2	30.01	64	49	44	" "	1 "
7		N E by E	"	2	30.02	64	49	44	b. "	0 "
8			"	2	30.06	64	48	44	" "	0 "
9		N by W	N E" by N	2	30.06	63	44	44	" "	0 "
10		North	North	2	30.06	61	46	44	b" "	2 "
11		"	"	3	30.05	56	43	39	" "	3 "
Mid.		"	"	3	30.04	51	42	38	" "	2 "

under the command of Commander T. F. Jewett, U. S. Navy,

Sunday December 18th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.

Clear and cool. Bright moonlight. Light airs from N. by W. Clear hours.

C.A.F. Lechmere
Lieut U.S.N.

From 4 to 8 A.M.

Clear and cool. Light N.W. airs. Relieved J.M. Coan, J.S. from confinement by order of Lieut's Officer. Received and served out in Pay Dept 120 lbs of fresh meat and vegetables and 96 lbs fresh bread. Liberty Party, all returned except T. Passmore, 2 C.F. and J.M. Guire, 2 C.F. Clear, hazy.

H.D. Lyons
Acting Master U.S.N.

From 8 A.M. to Meridian

Clear and cool. Light airs from N.N.W. and N.N.E. Mustered at quarters. Absentees T. Passmore, 2 C.F. and J.M. Guire 2 C.F. at 9.30 made signal prisoners to the Monocacy. Clear hazy. Received in Pay Dept 1000 lbs each of Corn Meal & Oat Meal and in Medical Dept 400 gr Gum Arabic, 100 gr Carbolic Acid 100 gr Dilute Acid 100 gr Tannic Acid, 400 gr Spirits Rum, 4000 gr Alcohol, 200 gr Alum, 200 gr Ext Silocs, 200 gr Belladonna, 200 gr Bismuth, 100 gr Camphor, 50 gr Cathartic, 1000 gr Chloroform, 500 gr Balsam, Copaiba, 2000 gr Ipecac, 100 gr Cubebs, 600 gr Tinct Iron, 200 gr Ext Nux Vomica, 400 gr Jaborine, 200 gr Licorice, 1000 Calomel, 200 gr Mercurial Oint, 200 gr Iodine, 200 gr Iodoform, 200 gr Ol Peppermint, 400 Morphine Pill, 1000 Tinct Opium, 2000 gr Quinine, 1 oz Pepsin, 200 Cholide Potash.

E.D. Galloway
Lieut U.S.N.

From Meridian to 4 P.M.

Clear and pleasant. Cool and cloudy towards end of watch. Light to gentle breeze from East and N. by E. Placed W.J. McFadden, Ord Sea, O. Rose, Sea, in double irons for two days for absence without leave. Placed T. Passmore, 2 C.F. under arrest charge, he returning on board drunk. Coastal steam cutter embayed about 2 miles.

C.A.F. Lechmere
Lieut U.S.N.

From 4 to 8 P.M.

Overcast and cold. Gentle breeze from N. by E. to E. at 5.15 mustered at quarters. J.M. Guire, 2 C.F. absent without leave. J.M. Kahoe, Sea, returned in Ch. Letter Drunk by Direction of Lieut's Officer placed him in double irons for being drunk on duty. Clear hazy.

E.D. Galloway
Lieut U.S.N.

From 8 P.M. to Midnight

Cool and cloudy. Light to gentle breezes from N. by E. and East. Placed L. Dunne, R.S. and J. Welsh S.A. 2 C. in double irons to await further action. the former for insolence to Orderly Sergeant and the latter for drunkenness. Stabled 2 cattle.

C.A.F. Lechmere
Lieut U.S.N.

Examined and found to be correct.

Theo. B. McMahon
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored	Moored	4			30.01	48	42	38		0	cum & strat	0	S
1				"	"	4			30.04	48	41	38		"	"	0	"
2				"	"	4			30.09	47	41	38		"	"	0	"
3				"	"	4			30.01	46	41	38		b	"	2	"
4				"	"	4			30.01	44	40	37		"	"	2	"
5				"	"	4			30.02	45	40	37		"	"	2	"
6				"	"	3			30.03	47	40	37		"	"	2	"
7				"	"	3			30.06	51	40	37		"	"	2	"
8				N. by W	"	3			30.09	52	40	37		"	"	3	"
9				"	"	3			30.11	54	40	37		"	"	2	"
10				S. by E	"	4			30.12	59	43	40		"	"	2	"
11	4	9	52 9	S.W. by S.	"	4			30.12	59	44	41	55	"	"	2	"
Noon.	10	6	60.5	S.W. by S.	"	4											
	10	5	62.3	S.S.E.													
	9	5	62 9	South													

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 1450 "

Water remaining on hand fit for use at Noon, 2550 "

Coal consumed during the preceding 24 hours, 4 tons 240 lbs.

Coal remaining on hand at Noon, 52 " 1196 "

P. M.											
1	10	5	4	5	S.W. by S. S.W. by W. S.S.W.	Moored	5	30.03	52	46	35
2	10	6	8	9	S.W. by W.	N. by E.	5	29.98	51	47	40
3	10	3	95	6	"	N. N. E.	5	30.02	51	48	40
4	10	2	99.9 106	2	S. W.	N. E.	5	30.04	51	49	40
5	8	5	15.2								
	1	8	16	1	S.W. ½ W.	N. E. by N.	5	30.04	55	50	42
6	1	8	17	2				30.04	55	50	42
	1	6	18	2							
7	8	6	27.6		W. ½ S.		5-6	30.04	55	50	42
8	9	2	36.2		West	E. N. E.	2	30.04	59	50	43
9	2	8	43	6	"	North	1	30.06	54	50	43
10	2	2	51.0		"	N. E.	2-3	30.06	51	49	42
11	3	2	63.6		W. S. W. ½ W.		3	30.16	52	49	42
Mid.	2	8	66.5		"	E. N. E.	4	30.12	52	49	42
	8	0	74.5		"	"	4	30.14	61	52	48

under the command of Commander T. F. Jewett, U. S. Navy,

Roads December 19th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.

Cloudy & cool. Moderate breeze from North. Strong glare in sky in Direction of Tokio. Distilling.

W. B. Hoggatt Ensign U.S.N.

From 4 to 8 A.M.

Cloudy & cold. Gentle to moderate breeze from North. At 6.30 made signal Permission asked to unmoor. Answered. Let go starboard anchor & took chain in to 30 fms. Secured for sea. Received in Pay Debt & issued to crew 120 lbs each of fresh beef & vegetables & 96 lbs Bread & started fires in 2, 4, 5, 6, & 8 boilers. At 8 A.M. Monocacy ready for sea & Divs signed.

E. G. Galloway Lieut U.S.N.

From 8 A.M. to Meridian

Cool & cloudy. Gentle breeze from North increasing in force to stiff breeze at end of watch. At 9.30 muttered at Quarters. Secured battery for sea. At 9.40 sent down top mast, lower yards housed, topsails & crossed topsail yards. At 10.30 called all hands up anchor. Got underway & steamed out of the harbor. At 10.50 set topsails, topsail & jib. At end of watch Kwanon-saki Lt was on starboard beam. Ship heading South. Distilling. Temporarily released from confinement J. H. Hahn, Sea, J. Charette, Sea 1 C, J. Collet, Sea 2 C, L. Dumas, Sea 2 C & P. Pearson, Sea 2 C. Read 3.40 - Ret 5.0

A. T. Fechteler Lieut U.S.N.

From Meridian to 4 P.M.

Fair & cold. Stiff breeze from North to N.E. Steering Course. Yedo Bay with the Comdg Officer & Navigator at the comm. At 12.55 set main topsail. At end of watch on course S.W. under square sail, skysails, royals, jib & main topsail. At 4 N.E. Sangami Iwo 28 bm Ext S.E. Kawana S.W. & E. Fu gami Isle. Swept W. & W. Distilling. Shipped for cruise as Flag Ship.

W. B. Hoggatt Ensign U.S.N.

From 4 to 6 P.M.

Generally clear with cumulus clouds. Bright & cold. Stiff to fresh breeze from N. Ebb N. Current to moderate sea from N.E. At 4.20, changed course to S.W. by W. P.C. 192. At 5.20, Rock Id Light House bore (p.s.) N. 60° W. N. distant 1 mile, changed course to W. by S. P.C. 182. At 5.40 muttered crew at quarters. At 5.50 hook in & furled topsails. At 6.25, shipped Distilling & banked fires in boilers 1 & 3. At 5.55 sighted Iwo Saki Lt bearing (p.s.) North. At end of watch Iwo Saki Lt bore (p.s.) N. 1/2 W. & Rock Id Lt (p.s.) E. 1/2 E. 7/8 E. under topsails, foresail, jib, f. t. staysail & main trysail, on course W. 1/2 S. changed course to West at 6.0.

W. H. Parker Ensign U.S.N.

From 6. to 8. P.M.

Clear cool & pleasant. Gentle breeze from E. by E. becoming very light & shifting to North. Lighted Omai-saki about 6.40, bearing Conical W. by W. Sea smooth. At 7.30 hauled fires in 6 & 8 boilers on account of leaking tubes in 8.

E. G. Galloway Lieut U.S.N.

From 8. P.M. to Midnight

Clear & cool. Gentle breeze from N. by E. hauling to E. by E & freshening latter half of watch. At 9.0 changed course to W. by N. 1/2 N. P.C. 236. At 9.15 Omai-saki Lt bore North distant 6 miles. At 9.50 set topsails & took in f. t. staysail. At 1. took in main trysail. At 10.15 head to Forward Quarters all ready in 8" Gun P.C. 6 3 3 2 fin 8.0", Rear Gun 6.10" N. 2 35 D, 2" fin 6.45, Rear Disk 4.50, Powder Shot 3.27, Empty 8.00" Marines 4.50. Expended in Ord Dept 1-60 lb Charge & Bags - 2 9" Charges & Bags, 1 old 44 Primer and 3 Percussion Primers.

Examined and found to be correct

A. T. Fechteler Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage to Kobe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	5	82.4	W.SW½W	E.N.E	4			30.12	64	52	48	54	b.s	cir.cum	9	S.M.
2	7	5	90.1	"	"	4			30.11	59	52	47	54	"	"	9	"
3	8	2	98.3	"	N.E.by N	4			30.10	56	51	47	54	"	"	9	"
4	8	3	106.2	"	N.by E	4			30.10	52	49	45	55	"	"	9	"
5	7	8	13.6	"	"	6			30.09	51	48	44	60	fog	cum	9	M
6	8	0	21.9	"	"	3-4			30.10	50	49	46	60	"	"	9	"
7	8	9	23.8 30.2	SW by W½W	"	3-4			30.12	50	49	46	60	"	"	9	"
8	8	2	38.4	"	"	3-4			30.14	50	48	45	60	"	"	8	"
9	7	8	46.3	"	"	3			30.18	50	48	45	60	"	cir	7	S.M.
10	7	4	54.0	"	"	2-3			30.22	64	49	46	60	"	"	8	"
11	7	7	61.8	"	"	2			30.20	63	51	48	61	"	"	7	"
Noon.	7	5	68.9	"	N.E	2			30.19	62	53	49	61	"	"	7	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 300 gallons.

Water Distilled during the preceding 24 hours, 450 "

Water remaining on hand fit for use at Noon, 2700 "

Coal consumed during the preceding 24 hours, 11 tons 1520 lbs.

Coal remaining on hand at Noon, 40 " 1916 "

P. M.														
1	6	5	74.7	SW.by W½W	N.E	2	30.17	62	54	50	61	b.s	cir.cum	S.M.
2	2	5		W.SW½W	"	2	30.16	60	54	50	61	"	"	"
3	4	0		"	East	2	30.16	60	58	52	62	"	"	"
4	3	7	77.4	W.SW¾W	E.N.E	2-3	30.16	60	59	53	62	"	"	8
5	6	4	85.3	W.½S	"	2-3	30.16	60	58	53	62	"	"	8
6	6	5	92.4	W.½N	"	2-3	30.18	63	54	49	62	"	"	8
7	7	2	99.6	"	"	2-3	30.17	61	53	49	62	"	"	8
8	8	0	108.3	N.by W¾W	"	3	30.19	60	53	48	62	"	"	8
9	1	2	14.0 15.6	W.½N N.W¾N	N.E	2	30.20	62	52	49	62	"	"	S.M.
10	8	4	23.8	"	"	2	30.19	62	50	47	62	"	"	6
11	8	3	31.4	"	E.N.E	3	30.18	60	52	48	62	"	"	6
Mid.	8	2	39.3	"	"	2	30.18	61	51	47	60	"	"	6

under the command of Commander T. F. Jewell, U. S. Navy,

Tuesday December 20th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends 4 A.M.

Clear & cool. Moderate breeze from E.N.E. to N.by E. At 3:45 set main brail. On course W. by N. & N.W. under steam, square sail except mainsail, jib & main brail. Moderate sea from N.E.

W. B. Hoggatt
Ensign U.S.N.

From 4 to 8 A.M.

Generally clear hazy around horizon with some clouds. Bright & cold. Light to moderate breeze from N.by E. Moderate sea from North with moderate easy swell from E.N.E. Ship steady. At 6h. changed course to S.S.E.by E.½ E. P.L. 238. At 6h 30m, spread fire in boilers 1 & 3 & at 6h 45m, commenced them for steaming, hauling fires of 2 & 4, those boilers leaking badly. At Daylight sighted land all along on starboard hand; came to end of watch. At end of watch under steam and main sail to tgalls sails except mainsail & spanker, on course S.S.E.by E.½ E.

H. Rousseau
Ensign U.S.N.

From 8 A.M. to Meridian

Clear, hazy & cool. Light to gentle breeze from N.by E. & N.E. At 9h sent to Quarters. Took in main trysail. At 11h 36m stopped engines for nine minutes & exercised ship Exercise Torpedo. Sea smooth with moderate swell from East. Third Division Small Arms Target Firing. At noon exchanged salutes with Russian Gunboat Wolf. Expended in Div. Dept. Exercise Torpedo.

E. D. Galloway
Lieut U.S.N.

From Meridian to 4 P.M.

Clear & pleasant. Light breeze from E.N.E. Course S.S.E.by E.½ E. until 1:30 when changed to W.S.W.½ W. then to W.S.W.¼ W. Hauled in P.L. on account of small arm target practice. Stowed Cutter. Stopped occasionally & changed course. Exercised at small arms & Gatling Gun target practice at small improvised targets thrown overboard. Expended 220 rounds .30 Cal. cartridges. At 2. sighted Ossining Light which bore at end of watch N.by W.¼ W. dist. 2 miles. Gave charges & Specifications of Summary Court Martial to Lieut. Sa. [illegible] & J. K. Robeson Esq.

F. E. Leighton
Lieut U.S.N.

From 4 to 6 P.M.

Clear & cool. Light breeze from E.N.E. Steering East Sivo Misaki Light bearing by Quarter Officer of Navigator at the course. At 5.10 set course S.W.by W. At 5.40 set fore & aft sail & fore topsail. At 5. commenced crew at quarters. At end of watch Sivo Misaki Lt. bearing S.E. dist. 5 miles. Ship Head W.N.W.

W. B. Hoggatt
Ensign U.S.N.

From 6 to 8 P.M.

Generally clear, bright moonlight. Cold. Some clouds. Light to gentle breeze from E.N.E. Smooth sea with long ground swell. Ship pooling easily. At 6h. set spanker & at 7h 30m, foresail. At 7h 32m sighted steamer white & red lights. Ported helm to clear her. Passing steamer. At end of watch when under steam & all sail & foresail. Landed along on starboard hand Sivo Misaki Lt. bearing (by compass) E.S.E. ½ E.

H. Rousseau
Ensign U.S.N.

From 8 P.M. to Midnight

Generally fair. Gentle breeze from N.E. & N.N.E. Sea smooth. At 8:15 changed course to W.N.W. At 12m to N.W.½ W. Sivo Misaki bearing E.½ S. distant [illegible] Steering fore & aft sail & foresail.

E. D. Galloway
Lieut U.S.N.

Examined and found to be correct

Theo. F. M. Mason
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

On Sea making Passage to Rio

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	3	46.5	N.1/4.W	East	1			30.18	68	65	60	61	b.s	cum nim	2	5
2	6	8	53.6	"	"	1			30.18	70	65	65	60	"	"	6	"
3	3	6	59.2	Standing for Rio Channel	"	1			30.18	70	65	60	59	"	cum	4	"
4	2	4	65.3		"	1			30.19	71	65	64	59	"	"	4	"
5	6	4	71.4	N.E.1/2.E	E.1/2.E	2			30.17	61	65	48	59	"	"	4	"
6	6	3	80.1	"	"	2			30.17	62	64	64	59	"	"	5	"
7	5	8	86.5	"	"	2			30.18	66	68	66	59	b.c.p.	cum nim	3	"
8				1/2 N.E.	"	3			30.18	62	69	64		b.s	"	0	"
9				E.N.E.	"	3			30.18	59	69	46		b.w	"	3	"
10				"	"	3			30.21	60	69	68		o.c.	"	0	"
11				"	"	3			30.19	66	50	48		b.c.	"	3	"
Noon.				"	"	3			30.17	63	50	48		b.s	cirrus str	4	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 2100 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 23000 "

Coal consumed during the preceding 24 hours, 6 tons 160 lbs.

Coal remaining on hand at Noon, 34 " 1756 "

P. M.																	
1			E.N.E.	E.N.E.	3	30.13	64	56	48	b.s	cir cum	4	5
2			"	"	3	30.09	69	51	48	"	"	2	"
3			"	"	3	30.08	59	51	49	b.c.d	cum nim	1	"
4			"	"	3	30.08	60	52	49	o.c.	"	0	"
5			"	"	2	30.08	62	52	49	"	"	0	"
6			"	"	2	30.08	62	52	50	"	"	0	"
7			E"	"	2-3	30.07	65	52	50	"	"	0	"
8			E.by.N	"	3	30.05	63	52	50	"	"	0	"
9			E.N.E.	"	3	30.05	63	52	50	b.cu	"	2	"
10			"	"	3	30.04	62	52	50	b.s	"	2	"
11			"	"	3	30.02	65	52	50	o.c.	"	2	"
Mid.			"	"	3	30.09	63	52	51	"	"	0	"

under the command of Commander T. F. Jewell, U. S. Navy,

Wednesday December 21st, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced & Latter part A.M.

Cloudy first half of watch then clear. Light airs at first then light breeze from East. Heading for Kii Channel. At 12 to eighter . at 2.30 steamed through the Channel & at course N.N.E. E. at 12.30 took in all sail.

A.T. Jewell
Lieut Cmdr

From 4 hrs. & A.M.

Cloudy & cool. Light breeze from E.N.E. At 6. eighter Wada Misaki Light. On course N.N.E. E. until 7 o'clock then N.E. at 7.10, stood down. At 7.10 set clock back 40 minutes. At 7.30 went ahead fast stood in for anchorage at Kobe, Comdr's Officer at the conn, at 8 hrs. made Dist 6 1/2 3. Answered up 6 3/4.

W.H. Brownell
Ensign U.S.N.

From 8 A.M. to Meridian

Cloudy with occasional drizzling rain. Clouds cum & vanish. Gotte bearings from E.N.E. Nautical observation. At 8 Oc made to Flagship "Brooklyn" Dist 6 1/2 M. Answered by 9 of. Steaming into Kobe. At 8 Oc let go starboard anchor in 5 fms water & at 8 Oc let go port anchor Round ship 6 fms each chain. Bearings at anchorage &c) Kobe Light N.N.E. Kobe Red Light N.W. by W. Comdg Officer reported on board Flagship. Received visits of courtesy from Japanese Flagship "Tokachiho Kan" & French Corvette "Primauguet". Sent an officer to communicate with the Consul U.S. Steamer to Kobe. Paid an official visit to the ship. Broke boat, out in whaleboat. Hostilities ceased at 10 1/2 & adjourned at 11 1/2 till 10 Oc 22d inst. American Admiral visited "Tokachiho Kan" and was saluted with 13 guns on leaving, which salute was returned by Flagship "Brooklyn" afterwards he visited "Foo-so Kan". At 11 to hauled fires in boilers 1 & 3. Got ship into fore trim. Ships Draft, Fore 13'3", aft 15'5". Clear hawse.

W.H. Brownell
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy, entirely overcast & raining hard. Gotte bearings from E.N.E. Making preparations for hauling Ensign Ross to State Sea from N.E. Visited by Deputy Officer Guard & Native Police Sent & Welsh, Pte 2 C, under Sentry & charge to await trial by Consular Court Martial. Clear hawse.

F. Boone
Ensign U.S.N.

From 4 hrs. P.M.

Overcast wind & cum cloudy. Continual rain. Light to gentle breeze from E.N.E. & tidal observation. Sent an officer board P.S. Tatsuma Maru & Yokohama Maru from Shanghai & Yokohama, respectively. Clear hawse.

W.H. Brownell
Ensign U.S.N.

From 8 P.M. to Midnight

Clear & cloudy with drizzling rain last two hours. Gotte bearings from E.N.E. Clear hawse.

F. Boone
Ensign U.S.N.

Examined and found to be correct.

Thos. B. McMahon
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Kobe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E N E	E N E	3			29.945	52	50			b c	cum-nimb	1	
2				N E by E	"	2			29.96	52	51			b c	"	1	
3				N E	"	2			29.98	53	51			b c	"	1	
4					"	2			29.93	53	52			o c l	"	0	
5				E N E	"	2			29.93	54	53			"	"	0	
6				N N W	E	1-2			29.93	54	53			o c	"	0	
7				N E by E	East	1			29.93	54	53			o c	"	0	
8				"	"	1			29.94	52	52			"	"	0	
9				"	"	1			29.98	52	52			o	"	0	
10				N W	"	1			29.98	54	53			b	cir-cum-nimb	1	
11				West	W by N	1			29.96	54	53			"	"	1	
Noon.				W by N	"	1			29.93	55	52			o	cu-mu-nimb	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ″

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1900 "

Coal consumed during the preceding 24 hours, tons 1280 lbs.

Coal remaining on hand at Noon, 34 " 470 "

P. M.													
1				W by S	West	1			29.90	61	52	o c p	cum-nimb	0	S
2				West	"	1			29.90	62	55	"	"	0	"
3				N W	"	1			29.91	62	55	o	"	0	"
4				W N W	N W	1			29.92	62	55	b	"	2	"
5				N W by N		1			29.92	62	55	"	"	2	"
6					"	1			29.93	62	55	"	"	1	"
7				W by N	"	1			29.94	62	55	"	cum	4	"
8				W N W	"	1			29.94	62	54	"	cir-cum	4	"
9				N N W	"	1			29.99	62	55	"	"	5	"
10				N W	"	1			29.99	62	52	"	"	4	"
11				N W by N	"	1			29.99	61	52	"	cum	1	"
Mid.				N W	"	1			29.98	61	51	"	"	4	"

under the command of Commander F. F. Jewett, U. S. Navy,

Thursday December 22d, 1859.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends M.

Cloudy and cool. Passing showers. Second hour and Dripping part last hour. Light breeze from E.N.E. Clear, heave.

F. M. Lewis
Acad Cadet U.S.N.

From M. to 8. A.M.

Overcast and cloudy. Clouds cumulus and mist. Raining 1st part and Dripping afterwards. Light airs to breeze from E.N.E. 1st part, light airs from East afterwards. Cleaning ship. By order of Lieut'g Officer David Pribate Callow, U.S.M.C., under arrest & charge for coming on board ship Drunk & attempting to smuggle liquor. Clear, heave.

H. C. Towner Ensign U.S.N.

From 8 A.M. to Meridian

Clear and cool. Light airs from East first half and Calm. East half. Cleaning ship. At 9.30 made Funeral Signal Numbers 2. At 11. Funeral Signal 1859 and at 11.30 Funeral Signal 35 pd. At 10:10 Summoned Court Martial convened for the trial of John McMahon Sea and Jas Welsh, Sea 2.C. At 10:45 Captain of U.S.S.M.S. "Wasp" paid an official visit to this ship. At 11 o'clock George Middleton, Sea 2.C. fell from the fore yard to the deck of the Hat gangway forecastle and sustained a severe fracture of the skull. At 11:18 buried 1 fm. on Fort chain. At 11:25 George Middleton Sea 2.C. died. Captain of Japanese man-of-war Takachiho paid an official visit to this ship at 12. Summoned Court Martial adjourned. Cleared, heave. By order of Lieut'g Officer L. F. Dunne, Ack Quick, was discharged to Landsman and released from confinement.

F. F. Jewett
Comdr U.S.N.

From Meridian to 4 P.M.

Overcast and cloudy with light Passing shower first hour. Light Calm airs At 1:10 a Summary Court convened on board for the trial of J Welsh, Sea 2.C. and J McMahon, Sea. Court adjourned to await the action of the revising authority at 1:50. Received an official visit from the Com'd's Officer of French Brig of the Japanese men-of-war. Released H. C. Ballou, P.M. from confinement by order of the Lieut'g Officer. Clear, heave.

F. M. Lewis
Acad Cadet U.S.N.

From 4 to 8. P.M.

Cloudy, increasing to fair weather. Light airs from N.W. Clear, heave.

F. F. Jewett
Ensign U.S.N.

From 8 P.M. to Midnight

Fair to cloudy. Light N.W'ly airs. Clear, heave.

F. A. Lewis
Acad Cadet U.S.N.

Examined and found to be correct.

Thos. D. M. Nelson
First Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Galle.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				W. N. W	W. N. W	1			30.01	61	51	48		b. q	cum. str	6	d
2				N. W	"	1			30.01	63	50	44		"	"	4	"
3				"	N. W	1			30.02	63	48	46		"	"	4	"
4				N. W. by W	Calm	0			30.01	61	48	46		"	"	8	"
5				N. W	N. W	1			30.01	60	46	44		"	"	9	"
6				"	"	1			30.01	59	45	43		"	"	8	"
7				W. N. W	"	1			30.02	59	44	42		"	cir	6	"
8				"	"	1			30.05	61	44	41		"	"	2	"
9				N. W	"	2			30.06	58	45	41		"	"	2	"
10				"	"	2			30.05	56	46	41		"	"	4	"
11				W. N. W	W. N. W	3			30.05	54	44	42		"	"	8	"
Noon.				"	"	3			30.03	55	44	41		"	"	4	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 460 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1500 "

Coal consumed during the preceding 24 hours, tons 1120 lbs.

Coal remaining on hand at Noon, 33 " 1590 "

P. M.								
1	West	West	3	30.04	54	42	41	b. q	cir cum	2	d
2	W. by N		3	30.05	59	48	41	"	"	2	"
3	"	W. by N	3	30.08	68	48	42	"	"	8	"
4	"	"	3	30.11	65	47	41	"	"	8	"
5	W. N. W	W. N. W	3	30.12	63	46	41	"	"	8	"
6	N. W. by W		3	30.13	59	43	39	"	cum	9	"
7	N. W	N. W	3	30.15	64	43	38	"	"	9	"
8	"	"	3	30.12	63	42	34	"	"	9	"
9	"	"	3	30.15	61	41	36	"	"	9	"
10	"	"	3	30.16	60	40	36	b. q	mix	10	"
11	"	"	3	30.17	66	40	36	"	"	10	"
Mid.	"	"	3	30.16	61	40	36	"	"	10	"

under the command of Commander T. T. Jewell, U. S. Navy,

Friday December 23d, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.
Clear & cool. Bright starlight. Light airs from N.W.

T. Galloway
Lieut U.S.N.

From 4 to 8 A.M.
Clear & cool & Pleasant. Light airs from N.W. Making Preparations for Funeral Party. Received in Pay Dept 118½ lbs each of Beef & Weights & Issued of Bread. Clear, Passed.

F. F. Simms
Ensign U.S.N.

From 8 A.M. to Meridian
Clear & cool. Light breeze from N.W. increasing Last Part of watch to gentle breeze from W. by N.W. At 8.10 made General signal 324 & Answered from Brooklyn. Sig. called the Flagship Permission to land Funeral Party. Answered & granted. Funeral Party left ship at 8.45 with the remains of Jno. Middleton Sea. 26. At 9.30 made signal Numerals 2. Answered. Expended in Ordnance Dept one (1) 2 lb charge & 50 Blank Cartridges. At 10.00 a General Court Martial convened on board & at 11.35 adjourned until 1 P.M. Boarding Officer issued the following punishment J. Passeum 2 Cl. Sea. to be confined from sunset to sunrise for five days. H. L. Barrow, O.S. to be confined for three days in Double Irons while off Port. Cutter sailing Launch. Clear Passed, riding to Port Chain.

Cadet Cadet U.S.N.

From Meridian to 4 P.M.
Clear & cold. Gentle to moderate breeze from West & W. by N. At 100 General Court Martial met in pursuance to order of adjournment. At 2.15 Court adjourned until to-morrow 10 A.M. At 3.15 made signal to Flagship Permission asked to unbend main topsail & to bend Sheet chain. Answered Yes. Unbent main topsail.

T. Galloway
Lieut U.S.N.

From 4 to 8 P.M.
Clear & cold. Gentle breeze from W. by W. to N.W. Bent Sheet chains. At 4.33 sounded no fire quarters, Fire Streams in 50 secs. Clear Passed.

F. H. Lewis
Cadet Cadet U.S.N.

From 8 P.M. to Midnight
Clear & cold. Gentle breeze from N.W. Bright moonlight. At 9 sent an officer to British Steamer Lepis from Yokohama

T. Galloway
Lieut U.S.N.

Examined and found to be correct.

Thos. S. McMason
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Kobe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				North	N.W.	1			30.17	64	42	39		b.	cirro	9	5
2				W.N.W.	"	1			30.17	63	42	39		b.	nmr	10	
3				N.N.E.	"	1			30.17	61	41	38		"	"	10	"
4				North	North	2			30.16	59	41	38		"	"	10	"
5				N. by W.	N.W.	1			30.17	59	41	38		"	"	10	"
6				N.N.W.	"	2			30.17	54	41	38		b.	cirro	9	"
7				"	"	1			30.17	58	41	38		b.cr.	str.	9	"
8				"	"	2			30.18	63	40	37		"	cirro	9	"
9				N.W.	"	2			30.17	63	40	37		b.	str.	9	"
10				"	"	2			30.19	63	42	38		"	"	9	"
11				W.N.W.	W.N.W.	2			30.17	60	43	39		"	"	9	"
Noon.				West	West	2			30.15	58	44	39		"	"	9	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1100 "

Coal consumed during the preceding 24 hours, tons 12 00 lbs.

Coal remaining on hand at Noon, 33 " 890 "

P. M.									
1	W. by S.	West	2	30.13	58	45	40	b.	cirro cumu	8	5
2	"	"	2	30.12	64	46	41	"	"	8	"
3	W.S.W.	"	2	30.12	62	44	42	"	"	4	"
4	W. by S.	"	2	30.11	62	44	42	"	"	4	"
5	West	"	1	30.10	55	46	40	"	"	6	"
6	N.W. by N.	"	1	30.10	60	44	43	"	"	5	"
7	N.W.	N.W.	1	30.12	61	44	43	"	"	4	"
8	"	"	1	30.13	62	44	43	"	"	2	"
9	"	"	1	30.12	60	46	43	"	"	3	"
10	West	"	1	30.12	60	44	44	"	"	1	"
11	N.N.W.	"	1	30.11	54	46	44	"	cumulus	1	"
Mid.	N.E.	"	1	30.10	54	46	44	"	"	1	"

under the command of Commander T. F. Jewett, U. S. Navy,

Saturday December 24th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Clear & cool. Light airs from N.W. & North. Clear hazy.

From 4 to 8 A.M.
Clear & cold. Light airs to brisk from N.W. Received & stored out 15 Pay Dep'ts 13 1/4 lbs each of fresh meat & vegetables & 91 lbs of fresh bread. At 7 a.m. Flagship made tims & spcl signals 695, all blks. answered. Clear hazy.
Lieut. C. F. Preston

From 8 A.M. to Meridian
Clear & pleasant. Light brisk from N.W. to West. Received visit from Comdg Officers of the B.H.S. "Limnet". Sent records of ten (10) yrs each when for J. J. McKenna, Sea 1st & J. F. Garrity, Sea 1st, absent without leave. Board of Survey in Engineers Dept met. Received 500 Yards in Pay Dept. G.B.H. met at 10.03 and at 1.48 took a recess until 2 P.M. at 1.49 went to quarters & stored out clean hammocks. Aired bedding.
Asst Surg W. B. Hoggatt U.S.N.

From Meridian to 4 P.M.
Clear & cool. Light breeze from West. Clear hazy. At 1.05 General Court met & adjourned at 3. until 10 A.M. Dec 26th. The U.S. Marshal brought on board J. F. Garrity, Sea 1st & J. J. McKenna Sea 1st. Placed them both under sentry charge by order of Commander.
Lieut. C. F. Preston

From 4 to 8 P.M.
Clear & cool. Light breeze from West & N.W. Flagship with compliments. At 7. Rear Admiral Schandler & others of his staff paid unofficial visit to Comdg Officer. At 6 sent boarding officer to visit steamer.
Lieut. C. F. Galloway

From 8 P.M. to Midnight
Cloud & cool. Light airs from N.W.
Lieut. C. F. Preston

Examined and found to be correct.

Theo. F. Jewett
Commander & Navigator.

LOG of the UNITED STATES Sloop "Essex", 3d Rate,

Moored in the harbor of Lobos

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. E.	N. E.	1			30.09	5	64	64		b. cl.	cum & mist	0	S
2				N. E. by E.	"	1			30.09	5	64	64		"	"	0	"
3				"	"	1			30.09	5	64	64		b. cl.	"	4	"
4				"	"	1			30.09	5	64	63	65	"	"	5	"
5				E. N. E.	"	1			30.05	6	34	52		"	"	5	"
6				E. by N.	"	1			30.04	5	56	46	43	"	"	4	"
7				E. N. E.	E. N. E.	1			30.04	5	62	42		"	"	2	"
8				E. by N.	South	1			30.06	6	04	53	43	b. cl.	"	1	"
9				E. N. E.	Calm	0			30.04	6	64	63	65	"	2 th	3	"
10				E. by N.	S. by W.	1			30.08	6	55	04	48	"	"	1	"
11				N. W. by N.	W. by S.	2			30.06	6	34	92	mf	"	cirrocum mist	2	"
Noon.				W. by N.	"	2			30.03	6	24	94	65	"	"	1	"
P. M.																	
1				W. by W.	W. by W.	3-4			29.94	5	85	04	46	b. cl.	cum	6	S
2				West	West	3			29.94	5	66	04	45	"	"	3	"
3				"	"	3-4			29.94	5	95	04	45	"	cum mist	3	"
4				"	"	3-5			29.94	5	95	04	44	"	"	6	"
5				"	"	3-4			29.95	5	64	94	44	"	"	4	"
6				"	"	3			29.94	5	24	84	43	"	"	4	"
7				"	"	3			29.99	5	24	84	43	"	"	5	"
8				W. by N.	"	2			30.01	5	94	24	44	"	"	8	"
9				W. N. W.	W. N. W.	2			30.04	6	34	54	40	"	cum	9	"
10				"	"	1			30.04	6	44	54	41	"	cir. cum	9	"
11				W. by N.	Calm	0			30.03	6	54	54	41	"	cum mist	1	"
Mid.				"	W. by N.	1			30.03	6	64	54	42	"	"	1	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, " "

Water remaining on hand fit for use at Noon, 2100 "

Coal consumed during the preceding 24 hours, tons 1680 lbs.

Coal remaining on hand at Noon, 32 " 950 "

under the command of Commander J. F. Green, U. S. Navy,

Sunday December 25th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.

Overcast with light rain first part, clearing last hour. Light airs from N.E. Discovered fire on shore at 3 A.M. Hoisted fire signal answered by flagship.

W.B. Noggatt
Ensign U.S.N.

From 4 to 8 A.M.

Fair first part. Light airs from N.E. Latter part foggy and threatening with wind shifting to South by way of West.

E.D. Galloway
Asst Surg U.S.N.

From 8 A.M. to Meridian

Generally cloudy. Calm and light variable airs. At 9.30 muster at quarters. Seaman [illegible] absent without leave. Sent a record of the offence on shore for him.

C.A.F. Tschudy
Lieut U.S.N.

From Meridian to 4 P.M.

Partly clear. Cool. Squally. Inside to ship's buoy from W.S.W. and West. By order of Executive Officer placed Alexander Campbell, Sea, under ship's charges to be tried, he being found drunk in the running boat. Sent liberty party on shore. Clear hawse.

W.B. Noggatt
Ensign U.S.N.

From 4 to 8 P.M.

Cool. Partially clear. Squally. Inside to moderate breeze from West.

C.A.F. Tschudy
Lieut U.S.N.

From 8 P.M. to Midnight

Clear first part. Squally last two hours. Calm. Light airs and breeze from N.W. and W. by N.

W.B. Noggatt
Ensign U.S.N.

Examined and found to be correct.

[illegible]
Lieut
Navigator.

LOG of the UNITED STATES "Essex", 3d Rate,

Stages. Moored in the harbor of Kobe.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				W. by N.	W. by N.	2-4			30.00	61	45	41		o. c. g.	cu cu Strat	0	1
2				"	"	3-4			30.00	60	43	39		"	"	0	"
3				West	West	4-2			30.01	60	42	38		b. s	cu cu	6	"
4				"	"	2			30.03	60	41	37		"	"	2	"
5				W. N. W.	"	1			30.06	69	41	37		"	Str.	8	"
6				N. W.	"	1			30.07	62	39	36		"	"	8	"
7				West	"	1			30.09	58	39	36		"	"	4	"
8				W. by N.	W. by N.	1			30.11	59	39	36		"	cu cu	2	"
9				"	"	3			30.14	62	41	37		"	"	8	"
10				W. N. W.	"	3-4			30.15	60	44	38		"	"	2	"
11				W. by N.	"	3-5			30.14	62	41	37		t. c. g.	"	2	"
Noon.				"	"	2-4			30.13	60	42	37		"	"	2	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 3000 "

Coal consumed during the preceding 24 hours, tons 1680 lbs.

Coal remaining on hand at Noon, 31 " 1510 "

P. M.									
1	West	West	4	30.13	68	47	39	b. s	cu cu	2	1
2	W. by N.	"	3-4	30.12	64	46	38	"	"	2	"
3	West	"	4	30.12	64	45	39	"	"	2	"
4		"	3-4	30.14	68	46	38	"	"	6	"
5	W. N. W.	W. N. W.	2-3	30.12	62	42	34	"	"	8	"
6		"	2	30.13	64	43	36	"	"	9	"
7	N. W. by W.	"	2	30.15	66	40	36	"	"	9	"
8		"	2	30.16	64	40	36	"	"	9	"
9	N. W.	N. W.	3	30.14	62	40	36	"	"	8	"
10	W. by N.	"	3-4	30.15	63	39	36	b. c. g.	cu cu	8	"
11	W. N. W.	"	2-4	30.18	60	38	35	"	"	8	"
Mid.	N. W. by W.	"	2-4	30.18	66	38	34	"	"	8	"

under the command of Commander T. F. Jewell, U. S. Navy,

Monday December 26th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Pleasant cloudy, overcast first part. Clouds cumulus. Light to moderate breeze from W by N. & West. Light squalls this last hour. Clear [illegible]

A. [illegible] Ensign U. S. N.

From 4 to 8 A. M.

Clear & Pleasant. Light breeze from West & W. by N. at 7.30 Flagship made Preparatory signal. Loosed sails to a towline at 8. in obedience to signal from Flagship.

L. A. [illegible] Ensign U. S. N.

From 8 A. M. to Meridian

Clear & Squally & cool. Light to stiff breeze in squalls from W. by N. at 9. Hoped up & made sail in obedience to General signal from Flagship. at 10.38 furled sail in obedience to General signal from Flagship. at 10.45 P. M. and proceeded to Anchorage & adjourned at 11.45 until 10 A. M. Tuesday 27th. By order of Executive Officer released A. Lamphere Fireman, from sentry charge & released H. C. Barrow O. S. his term having expired. Extended Liberty One (1) to Engineer's & Friction Primers Send prisoners at Ten Yen each action for James Horan O. S. & Wm. Branigan C. H. & J. Hosse P. H. absent without leave.

W. B. Haggatt Ensign U. S. N.

From Meridian to 4 P. M.

Partly clear with cir. cum. clouds. Bright & cool. Gentle to moderate breeze from West. No tidal observation. At 1 P. M. J. Horan O. S. & Wm. Branigan C. H. were brought on board by the Marshal his U. S. Consulate in consequence of an offered reward & by order of Executive Officer placed under entire charge. Tested Sea Cocks of magazine & shell rooms & forward pumps & found them in good order. Straightened shaft rack on port side of engine room platform. Broke out & restowed fore hold. Sent liberty party ashore. Clear Cabins. Pat Hosse O. S. U. S. N. was brought off by Marshal from U. S. Consulate, in consequence of an offered reward & was by order of Executive Officer placed in confinement. Distilling.

H. C. [illegible] Ensign U. S. N.

From 8 P. M. to Midnight

Pleasant clear with cir. cum & cum clouds. Bright moonlight. Sea Light & Light to moderate breeze from N. W. & Distilling. Clear Cabins

H. C. [illegible] Ensign U. S. N.

From 4 P. M. to 8 P. M.

Clear & Cool. Light to gentle breeze from W. N. W. at anchor sent down top gallant yards & masts. Distilling. Clear Cabins

W. B. Haggatt Ensign U. S. N.

Examined and found to be correct.

Thos. S. Jr. Mason Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Moored in the harbor of Key

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				W. N. W	W. N. W	4			30.18	4	83	74	84	b.q	cum	9	8
2						3			30.20	5	83	74	84	"	"	9	"
3				N. W	N. W	3			30.20	6	83	6	83	"	"	9	"
4				"	"	4			30.20	6	83	6	83	"	"	8	"
5				"	"	3			30.18	6	74	6	83	"	"	9	"
6				"	"	3			30.18	5	83	6	83	"	"	9	"
7				"	"	2			30.20	5	83	6	83	"	cum cb	7	"
8				"	"	2			30.20	6	84	74	84	"	"	4	"
9				N. W. by W	"	3			30.21	6	83	74	84	"	"	6	"
10				W. N. W	"	3-4			30.23	5	83	9	86	"	"	3	"
11				N. W. by W	"	3-4			30.23	5	84	0	86	"	"	3	"
Noon.				W. N. W	"	3-4			30.22	6	84	1	84	"	"	3	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 2100 "

Water remaining on hand fit for use at Noon, 21400 "

Coal consumed during the preceding 24 hours, 1 tons 1040 lbs.

Coal remaining on hand at Noon, 30 " 470 "

P. M.													
1		W. N. W	W. N. W	2	30.19	6	84	74	b.q	cirrus Str	0	9	
2		"	"	2	30.18	6	84	74	83	"	cirrus	2	1
3		"	"	2	30.20	6	84	74	83	"	"	2	1
4		W. by N	"	2	30.21	6	84	74	83	"	"	2	1
5		West	West	2	30.21	6	84	74	83	b.cum	Str	2	1
6		N. W. by W	W. by W	1	30.22	6	84	74	80	"	cum	9	1
7		"	N. W	1	30.24	6	84	74	80	"	"	9	1
8			"	1	30.24	6	84	74	80	"	"	9	"
9		N" W	"	1	30.21	6	84	74	83	"	"	9	1
10		North	"	1	30.21	6	84	74	83	"	"	9	"
11		E. by N	"	1	30.20	6	84	74	83	"	"	9	1
Mid.		N E	"	1	30.20	6	84	74	83	"	"	9	1

under the command of Commander T. F. Jewett, U. S. Navy,

Tuesday December 24th, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Until 4 A.M.

Clear cool and pleasant. Moderate breezes from W.N.W. and N.W. Clear heavens. Lightening.

T. F. Jewett
Comdr U.S.N.

From 4 to 8 A.M.

Clear cool. Gotts to light breezes from N.W. at 8. sent up topgallantyards & crossed topgallt yards with Flagship. Lightening. By order of Comdg Officer Seaml Jordan, Sea 2 C, under extra charge to cook.

W. B. Hoyt
Ensign U.S.N.

From 8 A.M. to Meridian

Generally clear with cir. cumn. clouds. Bright & cool. Gotts to moderate breeze from N.W. to take observation. At 9h, unmoored battalion in heavy marching order. At 10h 0m, Gd & mid. on board. Comdg Officer paid an official visit to H.M.S. Linnet. By order of Comdg Officer relieved from extra charge J. Howe, W.T. Wm Brannigan, Ord Sea & Jno Rossell, Pvt. At 11h 0m Gd & adjourned this 10th Pvt. Board of Survey at work in Engrs Dept. Clear heavens. Distributing. Absent without leave N. Tyler, Cpl, & Saunders Sea 1C, J. Williams, 2 C.a, P. Emery, Sea 1C, S.E. Kendrick, Cits, S. Tollefsen, Sea, A.E. Hansen, Cpl, W.J. McLaughlin, Sea 2C, J. Johnson, Cks, P. Forbes, Pvt, J. Kiley, Pvt. Expended in Ord Dept 1 doz Scrubbers. Fitting Awning.

A. C. Pennington
Ensign U.S.N.

From Meridian to 4 P.M.

Clear & pleasant weather. Light breeze from W.N.W. Received in Equip Dept 95 lbs 9 Thread Hemp, 60 lbs 8 Thread Manila, 28 lbs 2" Manila, 130 lbs 2½" Manila, 170 lbs 3" Manila, 219 lbs 3½" Manila, 3 Hand Brooms, 50 Sail Needles, 1 Sack Rigging Leather, 8 White Wash Brushes, 4 Blank Books, 2 Sets Blank Def Lts Heavy, 12 Sheets Blotting Paper, 1 Box Foolscap, 1 Gr Pens, 2 Ds Lead Pencils, 1 Book Red Ink. Discharged at his own request Ab Hemy, Pvt. & Shipped for the cruise as Landsman, Ab Seaman. Rose off yard for & main topgallant, cleaned & scuttlebutt 2 x 6 pins in aft of 2" Manila rope. Clear hawse. Distributing. At 3h 0m Lt & Executive Officer brought on board F. Sailor Sea 1C.

T. F. Jewett
Ensign U.S.N.

From 4 to 8 P.M.

Generally clear, bright & cool. Bright cum. night latter part hazy. Light breeze from West to N.W. & N. light variable airs afternoon. At 4h 0m P. Emery Sea 1C returned to duties. Relieved J. Jordan Sea 2C, he being sober. At 4h 0m Flagship hoisted Red 6 & 3 & immediately afterwards Answering Signal 6 & 3, at which sent down topgallant yards & mustered at quarters. Absent without leave N. Tyler Cpl, Jos Wellman Sea 1C, S.E. Kendrick, Cits, A.E. Hansen Cpl, W.J. McLaughlin, Sea 2C, J. Johnson Cks, P. Forbes, Pvt & J. Kiley, Pvt & S. Tollefsen Sea. J. Kiley, Pvt & S. Tollefsen, Sea, were brought off at 5h by W.T. Marshall 1st Class Corporal & sent under sentry in charge by order of Comdg Officer. At 6h J. McLaughlin Sea 2C, came on board 1st Class Corporal. Stopped Cutter Lieg. At 7h 0m A.E. Hansen Cpl & Pvt. P. Forbes, Pvt & Jos Wellman, Sea 1C, were brought on board by W.T. Marshall 1st Class Corporal & the first three were by order of Comdg Officer, Landsman the sentry in charge. Clear hawse.

H. C. Poyer
Ensign U.S.N.

From 8 P.M. to Midnight

Clear & cold. Light airs from West. Clear hawse.

T. F. Jewett
Ensign U.S.N.

Examined and found to be correct.

Thos. B. McMason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Yokohama

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				This Head													
A. M.				N. E. by N.	Calm	0			30.17	60	41	39		b.c.	cirrus	4	0
1				N. E. by E.	N. E.	1			30.16	64	38	36		"	"	6	"
2				N. E.	"	1			30.14	64	38	34		"	"	4	"
3				"	"	1			30.12	62	39	36		"	"	4	"
4				E. by N.	"	3			30.08	60	39	36		"	cumu	8	"
5				E. N. E.	"	3			30.04	60	40	34		"	cumu str.	6	"
6				E. by N.	"	3			30.00	61	40	38		b.c.u.	cirrus	3	"
7				E. N. E.	"	3			30.02	59	39	36		b.c.	"	5	"
8				"	E. N. E.	2			30.00	58	40	34		"	"	2	"
9				"	"	2			29.98	57	41	38		b.c.	"	0	0
10				"	"	2			29.96	60	42	39		p.c.d.	cumu str.	0	"
11				"	"	2			29.95	60	44	41		"	"	0	"
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at Noon, 2800 "

Coal consumed during the preceding 24 hours, tons 1840 lbs.

Coal remaining on hand at Noon, 29 " 870 "

P. M.										
1		N. by E.	N. W.	2	29.94	63	45	43	p.c.d. cumu nimb	0
2		E. N. E.	"	1	29.94	61	48	46	b.c.d.	" 1 "
3		E. by N.	West	1	29.94	63	50	47	b.c.u.	" 1 "
4		East	"	1	30.00	63	60	47	"	" 2 "
5		S. by E.	"	1	30.01	63	46	43	"	" 3 "
6		N. N. W.	"	1	30.09	61	43	42	"	" 4 "
7		North	"	1	30.05	62	46	44	"	cir. cumu 7 "
8		North	W. N. W.	1	30.06	61	46	43	"	cumu 9 "
9		N. W.	N. W.	2-3	30.05	62	43	39		cumu str. 9 "
10		"	"	3-2	30.04	55	42	39	"	" 9 "
11		W. by N.	West	1	30.08	59	42	40	"	" 9 "
Mid.		W. by S.	"	1	30.09	62	42	39	"	" 9 "

under the command of Commander F. F. Low, U. S. Navy,

Wednesday December 28th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends at 4 A.M.

Mostly clear. Wind light N.E. Fair. Barometer falling. Clear Harbor.

F.A. Lewis
Naval Cadet U.S.N.

From 4 hrs. to 8 A.M.

Partly clear with cir. cumu. & stt. clouds. Hazy. Gutter busy from 6 to 8 hrs. tidal observations at 6h 30m J.C. Hendrick, Oiler, returned 24 hours overstay. By order of Comdg Officer released from ship's charge to Lieut. Cdr. A.E. Hansen, Cap. T. Tollefsen Ord. Sea & Pvts Kelley & Turpin. Liberty party returned. Clear Harbor. At 7h 00m Brooklyn made Pt. 6 1/3 & immediately afterwards General Signal 6 1/3. Crossed 7 fathoms at 8 o'c. Received in Paid Dept. for issue to crew 112 lbs fresh beef & vegetables & 94 lbs fresh bread.

E.W. Toogood Jr.
Ensign U.S.N.

From 8 A.M. to Meridian

Overcast & cloudy, drizzling rain last half. Light breeze from E by E. at 9:30 A.M. called & inspected at quarters & immediately after received boats under sails. At 10 A.M. left for the trial of F. Wallace, C.P. & others. Entered in Ord Dept 1, 39 days and 1 Engineer Prisoners. By order of Comdg Officer released O. Rose, Pa 15, W. Mc. Fadden, Pa 15, and T. Passmore, 26 F, from confinement. At 11:30 A.M. took a recess. Clear Harbor.

E.W. Toogood Jr.
Ensign U.S.N.

From Meridian to 4 P.M.

Cloudy & cool. Misty. Light airs from West to N.W. At 12:58 the General Court Martial opened & at 1:05 adjourned until 10 a.m. Dec 29th. Took off provisions & main royal studding sails & Yankee sails & Yankee sails. Tokio Maru came in from Nagasaki. Placed J. Garrity, Pa. 15, under arrest charge for returning to the ship in the gig in a groggy condition by order of Comdg Officer. Clear Harbor.

F.A. Lewis. N.C.S.U.S.N.
Ensign U.S.N.

From 4 hrs. to 8 P.M.

Fair increasing to clear in patches. Hazy around horizon. Light airs from West. Sent liberty party on shore. Received on board Clear Harbor.

E.W. Toogood Jr.
Ensign U.S.N.

From 8 P.M. to Midnight

Clear & cool. Light air to gentle breeze from West to N.W. blowing no light squalls first part of watch.

F.A. Lewis
Naval Cadet U.S.N.

Examined and found to be correct.

Thos. B. Jr. Mason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the Harbor of Kobe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ship's Head													
A. M.				W. by N	West	1			30.10	61	42	40		b.s	cum	8	S
1				W. N. W	"	1			30.10	61	42	40		"	"	8	"
2				N. W. by N	N. W	1			30.12	00	42	40		"	"	8	"
3				W. S. W	"	1			30.12	50	42	40		"	"	8	"
4				N. W	"	1			30.12	30	42	40		"	"	8	"
5				N. N. W	"	1			30.14	60	41	40		"	"	8	"
6				North	"	1			30.16	50	42	40		"	"	8	"
7				N. E	East	1			30.20	60	44	42		"	cumet	9	"
8				E. by N	E. S. E	1			30.22	60	45	43		"	"	9	"
9				East	"	1			30.22	60	49	46		"	"	9	"
10				W. S. W	W. S. W	1			30.18	62	49	45		"	"	9	"
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 2400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 7200 "

Coal consumed during the preceding 24 hours, tons 1520 lbs.

Coal remaining on hand at Noon, 28 " 1590 "

P. M.										
1	W. by S.	West	2	30.16	55	49	47	b.s	cir cum	S
2	W. S. W	"	2	30.16	50	45		"	"	8 "
3	W by S.	"	2	30.16	53	51	45	"	"	8 "
4	"	"	2	30.16	59	50	46	"	"	7 "
5	West	"	1	30.17	59	48	45	"	"	6 "
6	W. by N	"	1	30.18	59	47	44	"	"	6 "
7	N. W	"	1	30.19	61	47	45	"	"	8 "
8	W by N	"	1	30.20	61	48	45	"	"	8 "
9	North	Calm	0	30.21	60	47	45	"	"	9 "
10	N E	N. E	1	30.22	58	47	44	b.cum.	"	9 "
11	N. N. W	Calm	0	30.22	58	46	43	"	"	7 "
Mid.	N E by N	N. E	1	30.19	58	46	43	"	"	6 "

under the command of Commander T. F. Jewett, U. S. Navy,

Thursday December 29th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends H. A. M.

Clear & cold. Light airs from West & N. W. Bright moonlight. A man-of-war came in; nationality unknown.

E. D. Galloway
Lieut U. S. N.

From 4 to 8 A. M.

Clear & cold. Light airs from N. W. at 8. crossed t'gt & royal yards. Clear hawse. Exercised Divs gun drills & electrical apparatus & sounded chains in port watch.

F. T. Jewett
Lieut Cmdg U. S. N.

From 8 A. M. to Meridian

Clear, cool & pleasant. Light airs from East to S. E, shifting to W. S. W last hour. At 9. 15 Summary Court Martial met & at 9. 30 adjourned. At 9. 45 had sail drill by signal from the flagship. At 11. asked permission to shift main topsail. Granted & executed. At 10. 15 General Court Martial convened on board & at 12. 12 adjourned until 1 P.M. Exercised in Ord'y Drill 1 hour, Sharp & 1 Pointing Drill. Received official visit from Comd'g Officer of German man-of-war. Clear, hawse.

D. A. Lewis
Coal Asst U. S. N.

From Meridian to 4 P.M.

Clear & cold. Light breezes from W. S. W & S. W. At 1. General Court Martial met in pursuance of order of adjournment. Court adjourned at 3. until 1 P.M. Dec 30th. W. M. R. Graham, O.M., returned on board at 3. this afternoon, Light & was placed under sentry & charge by order of Comd'g Officer.

E. D. Galloway
Lieut U. S. N.

From 4 to 8 P.M.

Clear & cold. Light breezes & airs. Barometer rising gradually. Released Private Graham from sentry charge by order of the Comd'g Officer. Sent liberty party on shore. At sunset sent down t'gt & royal yards. Lighted light sails. Clear hawse.

D. A. Lewis
Coal Asst U. S. N.

From 8 P.M. to Midnight

Clear & cold. Capt. Latta's Bark canoe manned & rowed around the ship. Calm & light airs from N. E. J. Williams, Engr, returned on board at 8. 30 drunk and was placed under sentry charge until sober. At 10. Towed Steamer "Chimney Co" which moored very close & asked him to remove or be responsible for any damage caused by fouling. He had not steam enough to move. Clear at end of watch. Clear hawse. Moonlight.

E. D. Galloway
Lieut U. S. N.

Examined and found to be correct.

Thos. D. Dyer Mason
Lieut & Navigator.

LOG of the UNITED STATES. Steamer "Essex", 3d Rate,

Moored in the Harbor of Key

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.				North	Calm	0			30.18	56	44	43		b.cm	cu.cum	3	Sl
1				N E by N	N E	1			30.16	54	44	42		"	"	4	"
2				E by N	"	1			30.15	59	43	42		"	"	4	"
3				East	"	1			30.13	54	41	40		"	"	5	"
4				E N E	"	1			30.11	54	41	40		b.cm	cumulus	0	"
5				"	"	2			30.10	53	43	41		b.cm	"	4	"
6				"	E N E	1			30.08	54	44	42		"	"	1	"
7				"	"	1			30.08	53	44	42		"	"	2	"
8				"	"	2			30.06	53	44	42		"	"	1	N
9				"	"	2-3			30.04	53	44	42		"	"	1	
10				E by N	"	2-3			30.01	60	46	43		"	"	2	"
11				E N E	"	3			29.98	60	44	44		"	cu.cum	4	"
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons 1440 lbs.

Coal remaining on hand at Noon, 28 " 160 "

P. M.														
1			E N E	E N E	3	29.88	69	49	46	b.cm	cu.cum	5	N
2			"	"	3	29.87	62	50	44	o.c.	cumulus	0	"
3			"	"	3	29.80	62	50	44	o.cl	"	0	"
4			N. E by E	N E	2	29.74	60	50	48	"	"	0	"
5			W by N	East	1	29.79	60	50	50	"	"	0	"
6			W by N	"	1	29.76	60	52	51	"	"	0	"
7			N N W	"	1	29.76	62	50	50	"	"	0	"
8				"	1	29.76	62	50	50	"	"	0	"
9			N W by W	W N W	2-4	29.76	60	48	46	"	"	0	S
10			W N W	"	2-3	29.80	61	50	44	"	"	0	"
11			W by N	"	2	29.81	63	50	52	o.s	"	0	"
Mid.			W N W	"	2	29.83	64	50	46	"	"	0	"

under the command of Commander T. F. Jewett, U. S. Navy,

Friday December 9th, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A. M.

Cool, clear, pleasant, thirty around horizon. Bright moonlight, calms & light airs from N. E. clear, heavy.

From 4 to 8 A. M.

Generally clear, cool, Light airs to brisk from N. & E. Received on Pay Book 1 mo's 15 days of fresh beef & vegetables each & 9 lbs of fresh bread. Returned Louisiana, Steamer from Gunship above the hauling ashore and clear, heavy.

D. H. Lewis
Acting Master U. S. N.

From 8 A. M. to Meridian

Cloudy, fresh & cool. Gunboats to windward bring from E. N. E. towards Officers Call official visits to Russian Corvette Vitiaz & to N. W. & Finnish. At 8 hrs. wind N. Fair quarters 1st Divisions 45 min, Sail Divisions 1 hr. At 9 hrs. Received at receiving vessels on starboard bow. Visited ship to port, with battery, boarded gate, got clear, cast off boats, then abandoned ship. Mustered all hands on deck at boats, all not known. At 9 hrs. secured, Cleared, heavy.

E. D. Galloway
Acting Master U. S. N.

From Meridian to 4 P. M.

Overcast & cloudy, wind light, rain during last three hours. Gunboats from E. N. E. clear, heavy. Wm. Thompson, Gunner, A. Campbell, Ens. J. Williams, Steward & W. Thomas, Ord. Seaman being under the influence of liquor were placed under sleeping charge to await further orders of the Commander A. Campbell, Esq, R. L. Harris, Ord. Sergt. Gunner, Ord. Sergt & O. Ross, Ord. Sergt, were ordered to be confined in double irons for five days, proper report to all hands in the morning for exchanging boat duty without permission. J. Nixon, W. T. received the same punishment for being under the influence of liquor. Stopped for cruising on Yazoo at Liverpool. Discharged from Naval Service, Kirby, Ens. A. French Gunboat came in, anchored & hoisted quarantine flag.

C. A. F. Preston
Lieut Comdg

From 4 to 8 P. M.

Overcast with continuous rain. Light breeze from N. E. First part steering to S. & W. & West after 6 o'clock. At 4 hrs. called all hands to muster & read sentences of Court Martial in case of C. McMahon, Ord. Seaman, U. S. N. to be reduced to next inferior rating. Sentence carried into effect & men restored to duty. Stopped gunboats Commander A. Campbell, Esq, R. L. Harris, Ord. Sergt, J. Charles, Seaman, O. Ross, Ord. Sergt, J. Nixon, Ord. Sergt. heavy, clear, heavy.

E. D. Galloway
Acting Master U. S. N.

From 8 P. M. to Midnight

Cool & cloudy, raining hard this hours. Light breeze from W. & N. freshening occasionally to moderate breeze. Clear heavy.

C. A. F. Preston
Lieut Comdg

Examined and found to be correct.

Thos. B. McMason
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Moored in the harbor of Lobos

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				W. N. W	W. N. W	5			29.81	54	43	41		b. c	cum. & nim.	0	N
2				W. by S	W. by S	3-5			29.81	54	41	38		b. c.	"	0	"
3				W. by S	W. by S	3-5			29.83	56	40	34		b. c.	cir. cum.	2	"
4						3-5			29.84	56	39	36		"	Sto	7	"
5				N. W. by N	N. N. W	3			29.84	57	39	36		b. c	cir. cum.	8	S
6				N. W. by W	"	2			29.84	57	38	36		"	"	2	"
7				W by N	W by N	2			29.84	56	36	34		"	"	2	"
8				W. N. W	"	3			29.85	48	35	32		"	"	2	"
9				West	W. N. W	3			29.86	60	35	32		"	"	5	N
10				W. by N	"	4			29.85	49	36	32		"	"	2	"
11				"	"	4			29.83	49	36	32		"	"	2	"
Noon.				"	West	4			29.82	50	36	32		"	"	4	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, Hog gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1 Cask "

Coal consumed during the preceding 24 hours, tons 1760 lbs.

Coal remaining on hand at Noon, 27 " 630 "

P. M.														
1			W. N. W	W N W	5	29.81	53	34	33	b. c	cir. cum	6	N
2			W. by N	W. by N	3-5	29.80	53	34	33	b. c.	"	5	"
3			"	"	3-5	29.80	56	34	33	b. c.	nim.	3	"
4			"	"	3-5	29.80	54	36	32	"	"	3	"
5			"	"	4	29.82	56	35	31	b. c	"	5	S
6			"	"	4	29.82	53	35	31	"	"	5	"
7			W. N. W	W. N. W	4	29.83	55	34	31	"	cum	8	"
8			"	"	4-2	29.86	58	35	31	"	"	8	"
9			"	"	3	29.86	59	35	31	"	"	8	"
10			"	"	3	29.85	47	32	30	"	"	8	"
11			N. W. by W	"	2	29.91	69	33	31	"	"	8	"
Mid.			"	"	2	29.91	60	33	31	"	"	7	"

under the command of Commander T. F. Jewell, U. S. Navy,

Saturday December 31st, 1864.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and Ends A. M.

Overcast fresh gale, clearing last part. Squally. Gives to stiff breeze from W.b.N. to W. by S.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 A. M.

Clear & very cold. Do formed on ship. Light breeze from N.b.W. to West at Flagship made signal 3318. Answered. At 7 Flagship made Red & 3 times signal 6 pts. At 6 released A. Campbell Seg, O. Rose, Sea, R. G Hansen, Sea, J Thomas Sea & J Brown Ord. as per order.

C. D. Galloway
Lieut U. S. N.

From 8 A. M. to Midnight

Clear & Cold. Moderate breeze from W.N.W. hauling to West at end of watch. Clear hazy. At 1200 Flagship made signal 60 pts. Sent down royal yard. At 10.10 made signal 10 pts. Piped down and bedding. At 10.50 made signal 2276. Piped down and bedding. By order of Commander Jewell S. Lenfest, A. Campbell, Seg, W. Thompson, Gr. Jr. & W.H. Skinner, Pt, were released from confinement.

C. A. F. Peterson
Lieut U. S. N.

From Meridian to 4 PM

Partly clear. Snow each two hours. Gentle to stiff breeze from W.b.S. to W. by N. At 1 o'clock all hands to muster & published the following sentence of G.C.M. Sam'l Shelton, Ct, to be confined in double irons for fifteen days & to be deprived of liberty on shore for four months. Frank Wallace, C Sp, to be confined in double irons for fifteen days & to be deprived of liberty on shore for three months. Charles Campbell, Ca G, to be confined in double irons for ten days & to be deprived of liberty on shore for four months. H. J. O'Brien, Ct, to be confined in double irons for ten days and to be deprived of liberty on shore for three months. Patrick O'Brien, Sea, to be confined in double irons for ten days & to be deprived of liberty on shore for three months.

W. B. Hoggatt
Ensign U. S. N.

From 4 to 8 P. M.

Generally clear, cold. Moderate breeze from W.b.N. At sunset confined in double irons R. Hansen, Sea & A. Campbell, Sea, O. Rose, Sea, J. Brown, Ord & H. J. O'Brien, Ct, at 6. to J. Thomas, Sea, as per orders of Commander.

C. A. F. Peterson
Lieut U. S. N.

From 8 P. M. to Midnight

Partly clear, cold. Winds light breeze from W.b.N.

W. B. Hoggatt
Ensign U. S. N.

Approved Thos. T. Jewell
Commander, U.S.N.
Commanding

Examined and found to be correct.

Thos. B. McMason
Lieut & Navigator.